

SITE NAME: STRAFFORD EAST

15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

SITE NUMBER: NAV-31

FOR ZONING



Navigator Properties, LLC
P.O. BOX 1160
KENNEBUNKPORT, ME 04046



TEP OP&CO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

GENERAL NOTES

THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF MARINER TOWER. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.

THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.

APPROVALS

PROJECT MANAGER DATE

CONSTRUCTION DATE

RF ENGINEERING DATE

ZONING / SITE ACQ. DATE

OPERATIONS DATE

PROPERTY OWNER DATE



72 HOURS



CALL
BEFORE YOU DIG
CALL TOLL FREE 1-888-DIG-SAFE
OR CALL 811



UNDERGROUND SERVICE ALERT

PROJECT SUMMARY

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY

MARINER TOWER
NAVIGATOR PROPERTIES, LLC.
P.O BOX 1160
KENNEBUNKPORT, ME 04046

SITE ADDRESS: 15 STRAFFORD ROAD
STRAFFORD, NH 03884

TAX ID/PARCEL ID: 11-83

ZONING DISTRICT: RESIDENTIAL/AGRICULTURAL

PROPERTY OWNER: GAIL J. BARRY &
MICHAEL A. BARRY, JR.
15 STAFFORD ROAD
STRAFFORD, NH 03884

LATITUDE: 43° 16' 16.92" N

LONGITUDE: 71° 07' 06.43" W

JURISDICTION: TOWN OF STRAFFORD
STRAFFORD COUNTY

PROPOSED USE: TELECOMMUNICATIONS FACILITY

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CHECKED BY: AT

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
7	12/05/23	PEER REVIEW COMMENTS	SLY
6	11/17/23	PEER & TOWN COMMENTS	VD
5	10/17/23	PEER REVIEW COMMENTS	SLY
4	08/09/23	ADD. STORM WATER ITEMS	SLY
3	03/28/23	REVISED FOR ZONING	VD
2	11/29/22	REVISED FOR ZONING	VD
1	10/24/22	ISSUED FOR ZONING	VD
0	09/07/22	ISSUED FOR DRIVEWAY PERMIT	VD

SITE NUMBER:
NAV-31

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STRAFFORD EAST

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STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE

TITLE SHEET

(NSD-RL)

SHEET NUMBER

T-1

GROUNDING NOTES

1. AFTER INSTALLATION THE SUBCONTRACTOR SHALL INSPECT THE GROUNDING & LIGHTNING PROTECTION SYSTEMS FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS AND #2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR – MARINER TOWER
SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
OWNER – MARINER TOWER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR’S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER’S DESIGNATED LOCATION.

12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF MARINER TOWER SITES."
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. TO AVOID UNNECESSARY CLEARING OF VEGETATION, MARINER WILL PROVIDE THE SOILS TEST REPORT, ALONG WITH THE FOUNDATION DESIGN AND TOWER DRAWINGS AT THE TIME OF APPLYING FOR THE BUILDING PERMIT.
19. APPLICABLE BUILDING CODES:

SUBCONTRACTOR’S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: IBC 2018 WITH NEW HAMPSHIRE AMENDMENTS
ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
LIGHTNING CODE: REFER TO ELECTRICAL DRAWINGS

SUBCONTRACTOR’S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222–H, STRUCTURAL STANDARDS FOR STEEL

EQUIPMENT AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.
- | ABBREVIATIONS | | | | | |
|---------------|-------------------------------|-----|---------------------------------|------|----------------------------|
| AGL | ABOVE GRADE LEVEL | EQ | EQUAL | REQ | REQUIRED |
| AWG | AMERICAN WIRE GAUGE | GC | GENERAL CONTRACTOR | RF | RADIO FREQUENCY |
| BBU | BATTERY BACKUP UNIT | GRC | GALVANIZED RIGID CONDUIT | TBD | TO BE DETERMINED |
| BTCW | BARE TINNED SOLID COPPER WIRE | MGB | MASTER GROUND BAR | TBR | TO BE REMOVED |
| BGR | BURIED GROUND RING | MIN | MINIMUM | TBRR | TO BE REMOVED AND REPLACED |
| BTS | BASE TRANSCEIVER STATION | P | PROPOSED | TYP | TYPICAL |
| E | EXISTING | NTS | NOT TO SCALE | UG | UNDER GROUND |
| EGB | EQUIPMENT GROUND BAR | RAD | RADIATION CENTER LINE (ANTENNA) | VIF | VERIFY IN FIELD |
| EGR | EQUIPMENT GROUND RING | REF | REFERENCE | | |
- FOR ZONING
-
- Navigator Properties, LLC
P.O. BOX 1160
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-
- TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
-
- CHECKED BY: AT
- APPROVED BY: DPH
- SUBMITTALS
- | REV. | DATE | DESCRIPTION | BY |
|------|----------|----------------------------|-----|
| 7 | 12/05/23 | PEER REVIEW COMMENTS | SLY |
| 6 | 11/17/23 | PEER & TOWN COMMENTS | VD |
| 5 | 10/17/23 | PEER REVIEW COMMENTS | SLY |
| 4 | 08/09/23 | ADD. STORM WATER ITEMS | SLY |
| 3 | 03/28/23 | REVISED FOR ZONING | VD |
| 2 | 11/29/22 | REVISED FOR ZONING | VD |
| 1 | 10/24/22 | ISSUED FOR ZONING | VD |
| 0 | 09/07/22 | ISSUED FOR DRIVEWAY PERMIT | VD |
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15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY
- SHEET TITLE
- GENERAL NOTES
- (NSD–RL)
- SHEET NUMBER
- GN-1



ADDITIONAL ABUTTER REFERENCES

11-79
11 STRAFFORD ROAD
N/F
STRAFFORD HISTORICAL SOCIETY
P.O. BOX 33
CENTER STRAFFORD, NH 03815

11-81
N/F
CENTER BAPTIST CHURCH
P.O. BOX 36
CENTER STRAFFORD, NH 03815

11-80
N/F
GAIL J. BARRY & MICHAEL A. BARRY, JR.
15 STRAFFORD ROAD
STRAFFORD, NH 03884

11-90
N/F
ELLEN J. WHITE
1214 PARKER MOUNTAIN ROAD
STRAFFORD, NH 03884

15-15
N/F
BEAR-PAW REGIONAL GREENWAYS
P.O. BOX 19
DEERFIELD, NH 03037

15-5
N/F
DOUGLAS H. HAYES
6 HOMESTEAD DRIVE
STRAFFORD, NH 03884

16-14
N/F
STRAFFORD SCHOOL DISTRICT
STRAFFORD SCHOOL
22 ROLLER COASTER ROAD
STRAFFORD, NH 03884

11-83
15 STRAFFORD ROAD
N/F
GAIL J. BARRY &
MICHAEL A. BARRY, JR.
15 STRAFFORD ROAD
STRAFFORD, NH 03884

AREA = 111 AC. ±

11-86
N/F
TIMOTHY SEAN & LISA C.
HOOVER
6304 HEINEMAN COURT
ROWLETT, TX 75089

11-76
N/F
GLENN D. & SANDRA L. PIERCE
934 PARKER MOUNTAIN ROAD
STRAFFORD, NH 03884

PROPOSED
CENTER OF
TOWER

11-84
N/F
CHARLES R. & PAULINE E. ORTEAU
69 STRAFFORD ROAD
STRAFFORD, NH 03884

11-82
STRAFFORD ROAD
N/F
THIRD BAPTIST CHURCH
P.O. BOX 36
CENTER STRAFFORD, NH 03815

LEGEND

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- STONEWALL
- ZONING OVERLAY DISTRICT BOUNDARY
- IRON ROD FOUND
- CALCULATED POINT
- TOWER CONTROL POINT

SITE SPECIFIC NOTES:

- FIELD SURVEY DATE: 8-9-2022 THRU 8-11-2022, 9-20-2023
- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
- VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- OWNER: GAIL J. BARRY & MICHAEL A. BARRY, JR.
15 STRAFFORD ROAD
STRAFFORD, NH 03884
- SITE NAME: STRAFFORD EAST
- SITE ADDRESS: 15 STRAFFORD ROAD
STRAFFORD, NH 03884
- APPLICANT: MARINER TOWER
NAVIGATOR PROPERTIES, LLC
P.O. BOX 1160
KENNEBUNKPORT, ME 04046
- JURISDICTION: TOWN OF STRAFFORD
STRAFFORD COUNTY
- TAX ID: 11-83
- DEED REFERENCE: BOOK 5048 PAGE 314
- PLAN REFERENCE: BOOK 16 PAGE 88
BOOK 89 PAGE 21
- THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM AN RTK GPS SURVEY.
- ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE ONLY. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE LOCUS PROPERTY IS LOCATED IN AREAS DESIGNATED AS ZONE X (UNSHADED, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN).
COMMUNITY PANEL NO. 33017C 0190 D
EFFECTIVE DATE: 05-17-2005
- FIELD SURVEY BY EDM TOTAL STATION & RTK GPS.
- THIS IS NOT A BOUNDARY SURVEY.
- ALL PROPERTY LINES SHOWN ARE FROM FIELD EVIDENCE, DEEDS & PLANS OF RECORD AND GIS DATA AND ARE APPROXIMATE ONLY.
- WETLANDS SHOWN ON PAGE C-2 WERE DELINEATED BY A & D KLUMB ENVIRONMENTAL, LLC ON 6/14/2022.

ABUTTERS PLAN

22x34 SCALE: 1"=250'-0"
11x17 SCALE: 1"=500'-0"

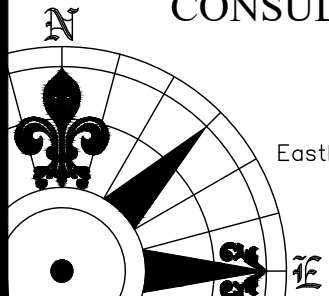


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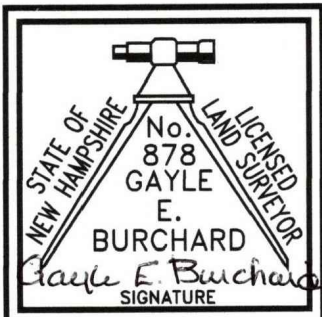


45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

NORTHEAST SURVEY CONSULTANTS



3 Ferry Street
Studio 1 East
Easthampton, MA 01027
(413) 203-5144
northeastsurvey.com



Gayle E. BURCHARD NH LLS #878

CHECKED BY: BCF

APPROVED BY: GEB

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	9/25/23	ADD TOPO/REMOVE LIDAR	BCF
1	8/10/23	REVISE EASEMENTS/ADD LIDAR	BCF
0	10/21/22	ISSUED FOR REVIEW	JDG

SITE NUMBER:

NAV-31

SITE NAME:

STRAFFORD EAST

SITE ADDRESS:

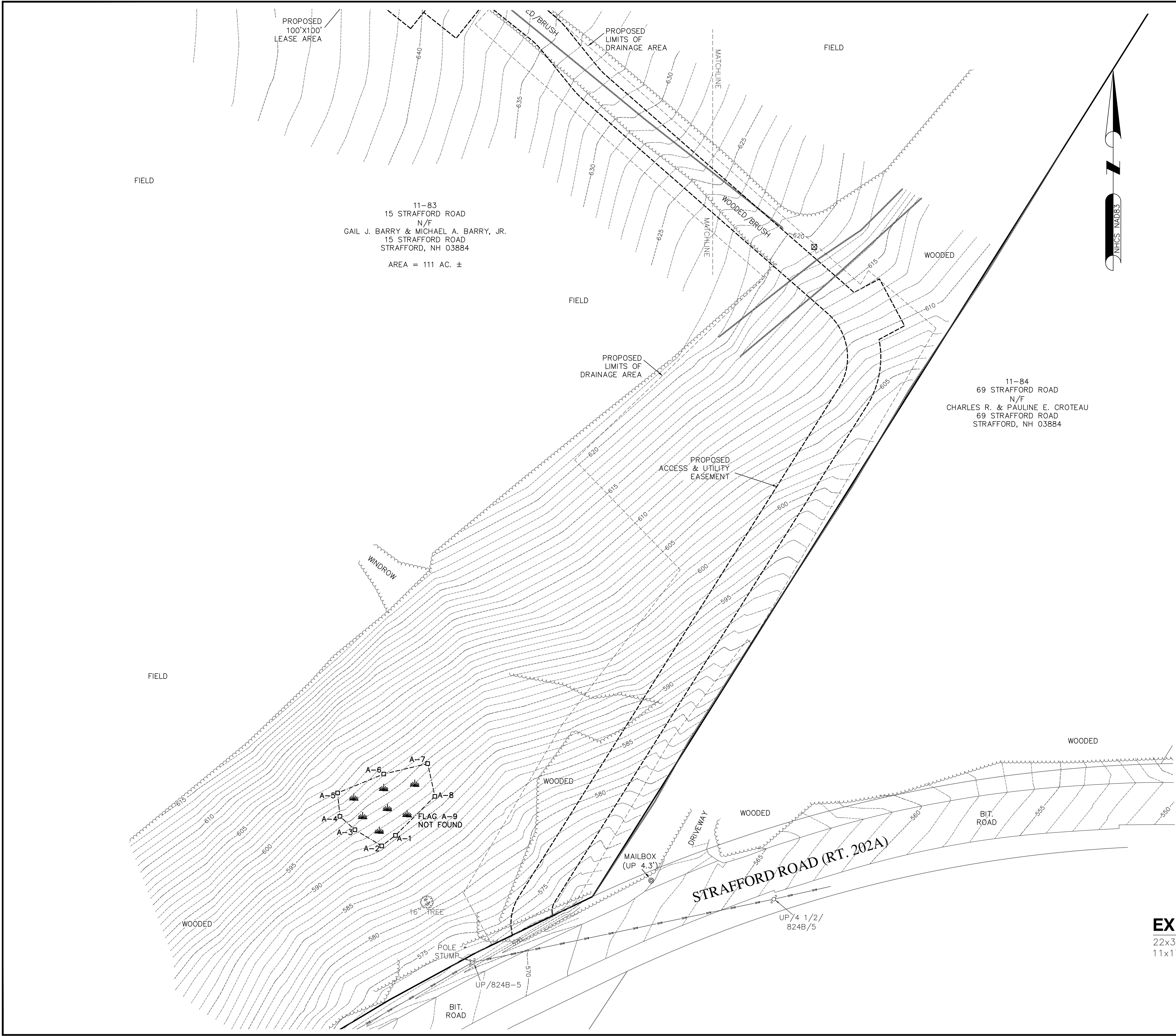
15 STRAFFORD ROAD
STRAFFORD, NH 03884

SHEET TITLE

ABUTTERS PLAN

SHEET NUMBER

C-1



LEGEND

PROPERTY LINE - SUBJECT PARCEL

ABUTTERS PROPERTY LINE

STONEWALL

CONTOUR LINE

TREELINE

OVERHEAD WIRES

WETLAND DELINEATION

TOWER CONTROL POINT

TEMPORARY BENCHMARK (TBM)

UTILITY POLE

GUY WIRE ANCHOR

WETLAND FLAG

NAVIGATOR PROPERTIES, LLC

P.O. BOX 1160

KENNEBUNKPORT, ME 04046

TEP

NORTHEAST

TEP OP CO., LLC.

45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845

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3 Ferry Street

Studio 1 East

Easthampton, MA 01027

(413) 203-5144

northeastsurvey.com

NO. 878

GAYLE E. BURCHARD

Gayle E. Burchard

SIGNATURE

GAYLE E. BURCHARD NH LLS #878

CHECKED BY:

BCF

APPROVED BY:

GEB

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EXISTING CONDITIONS PLAN

SHEET NUMBER

C-2

EXISTING CONDITIONS PLAN

22x34 SCALE: 1"=30'-0"

11x17 SCALE: 1"=60'-0"



11-76
OFF PARKER MOUNTAIN ROAD
N/F
GLENN D. & SANDRA L. PIERCE
934 PARKER MOUNTAIN ROAD
STRAFFORD, NH 03884

TBM
EL=651.39'
SPIKE IN 16" OAK

CONTROL POINT B
-IRON ROD SET-
N: 281784.54
E: 1130079.74

CONTROL POINT A
-IRON ROD SET-
N: 281712.68
E: 1130164.83

PROPOSED
CENTER OF TOWER
LAT: 43°16'16.92"
LON: 71°07'06.43"
N: 281609.00
E: 1130257.91
GROUND EL: 642'±

PROPOSED
75'X75' FENCED
COMPOUND

PROPOSED
ACCESS & UTILITY
EASEMENT

PROPOSED
100'X100'
LEASE AREA

PROPOSED
LIMITS OF
DRAINAGE AREA

EXISTING CONDITIONS PLAN

22x34 SCALE: 1"=30'-0"
11x17 SCALE: 1"=60'-0"



11-83
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N/F
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15 STRAFFORD ROAD
STRAFFORD, NH 03884
AREA = 111 AC. ±

LEGEND

- PROPERTY LINE - SUBJECT PARCEL
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- STONEWALL
- CONTOUR LINE
- TREELINE
- OVERHEAD WIRES
- TOWER CONTROL POINT
- TEMPORARY BENCHMARK (TBM)
- UTILITY POLE
- GUY WIRE ANCHOR

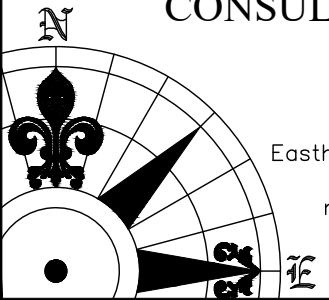


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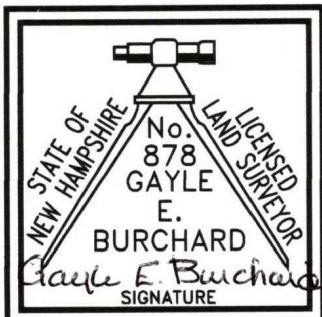


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GAYLE E. BURCHARD NH LLS #878

CHECKED BY: BCF

APPROVED BY: GEB

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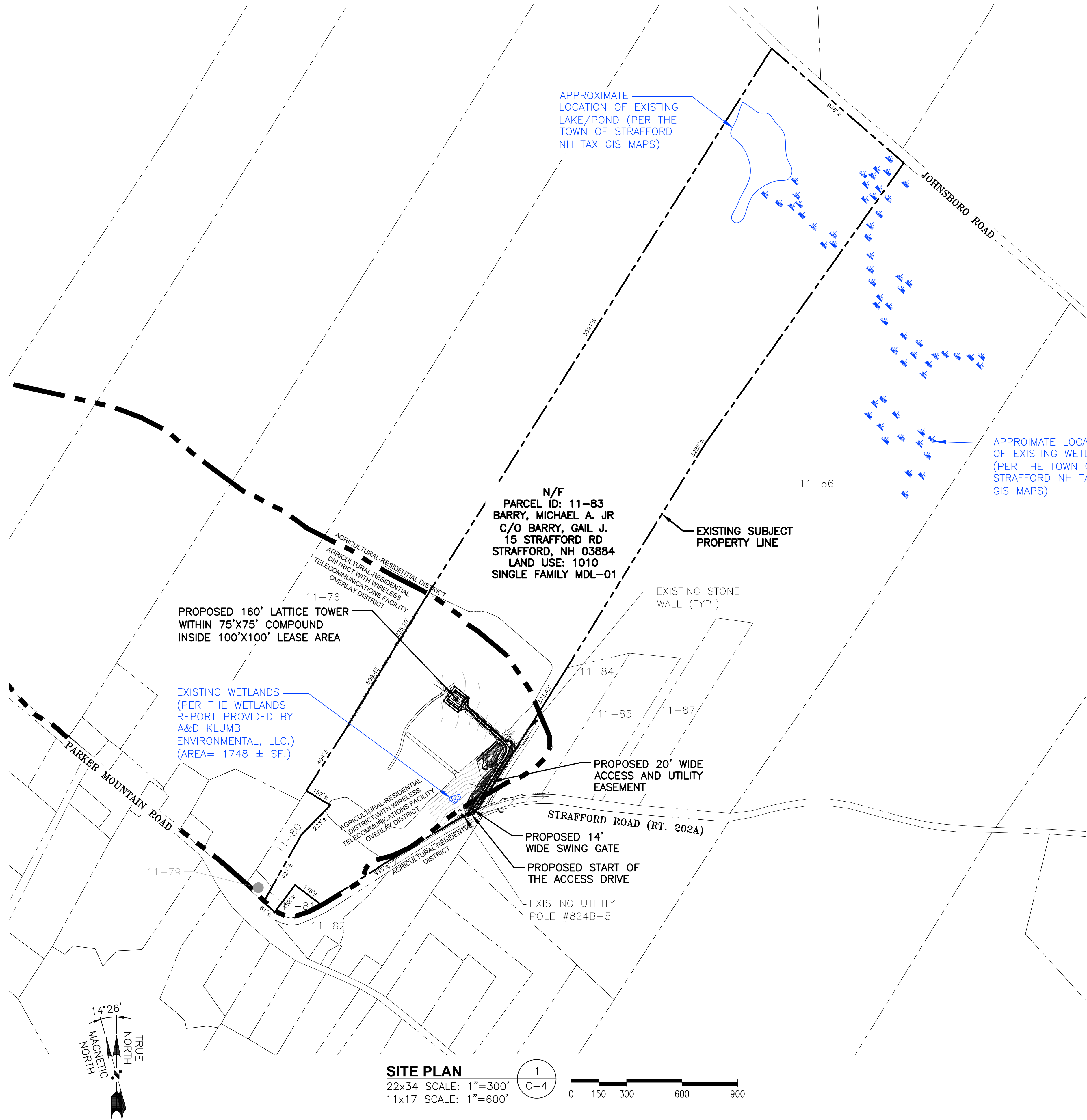
15 STRAFFORD ROAD
STRAFFORD, NH 03884

SHEET TITLE

EXISTING CONDITIONS
PLAN

SHEET NUMBER

C-3



SOURCE
<ul style="list-style-type: none">SURVEY PROVIDED BY NORTHEAST SURVEY CONSULTANTS, 3 FERRY STREET, STUDIO 1 EAST EASTHAMPTON, MA 01027, DATED: 10/17/23 (REV. 3)

LEGEND
<div><div>---</div><div>SUBJECT PROPERTY LINE</div></div> <div><div>---</div><div>ABUTTING PROPERTY LINE</div></div> <div><div>XX-XXX</div><div>PARCEL ID (MAP-LOT)</div></div> <div><div></div><div>EXISTING WETLANDS</div></div>

- NOTE:**
- A WETLANDS REPORT WAS COMPLETED BY A&D KLUMB ENVIRONMENTAL, LLC. DATED: JUNE 27, 2022. THE CONCLUSION OF THIS REPORT STATED THAT A SMALL WETLAND AREA WAS IDENTIFIED WITHIN THE SLOPE TO THE WEST OF THE PROPOSED ACCESS ROAD. SEE WETLANDS REPORT FOR ADDITIONAL INFORMATION.
 - PER THE TOWN OF STRAFFORD NH TAX GIS MAPS, SOME EXISTING WETLANDS, STREAMS OR SURFACE WATER RESEVOIRS DO EXIST ON THE SUBJECT PROPERTY AND THE ADJACENT PARCEL PROPERTIES (SEE APPROXIMATE LOCATIONS ON SHEET C-4)

ABUTTING PROPERTY INFO		
PARCEL ID:	PROPERTY OWNER:	LAND USE
11-76	GLENN D. & SANDRA L. PIERCE 934 PARKER MOUNTAIN RD STRAFFORD, NH 03884	7000 FARM
11-79	STRAFFORD HISTORICAL SOCIETY P.O. BOX 33 CTR STRAFFORD, NH 03815	9100 CHARITABLE MDL-94
11-80	STRAFFORD HISTORICAL SOCIETY PO BOX 33 CTR STRAFFORD, NH 03815	9100 CHARITABLE MDL-94
11-81	THIRD BAPTIST CHURCH PO BOX 36 CENTER STRAFFORD, NH 03815	9090 RELIGIOUS
11-82	THIRD BAPTIST CHURCH PO BOX 36 CENTER STRAFFORD, NH 03815	906V CHURCH ETC MDL-00
11-84	CROTEAU CHARLES R C/O CROTEAU PAULINE E 69 STRAFORD RD STRAFFORD, NH 03884	1010 SINGLE FAMILY MDL-01
11-86	TIMOTHY SEAN & LISA C. HOOVER 6304 HEINEMAN COURT ROWLETT, TX 75089	6104 HRDWD-UNMG

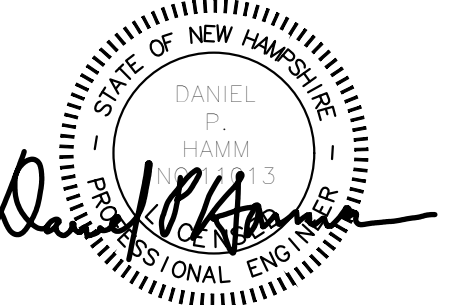
FOR ZONING



Navigator Properties, LLC
P.O. BOX 1160
KENNEBUNKPORT, ME 04046



TEP OP&CO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553



CHECKED BY: AT

APPROVED BY: DPH

SUBMITTALS			
REV.	DATE	DESCRIPTION	BY
7	12/05/23	PEER REVIEW COMMENTS	SLY
6	11/17/23	PEER & TOWN COMMENTS	VD
5	10/17/23	PEER REVIEW COMMENTS	SLY
4	08/09/23	ADD. STORM WATER ITEMS	SLY
3	03/28/23	REVISED FOR ZONING	VD
2	11/29/22	REVISED FOR ZONING	VD
1	10/24/22	ISSUED FOR ZONING	VD
0	09/07/22	ISSUED FOR DRIVEWAY PERMIT	VD

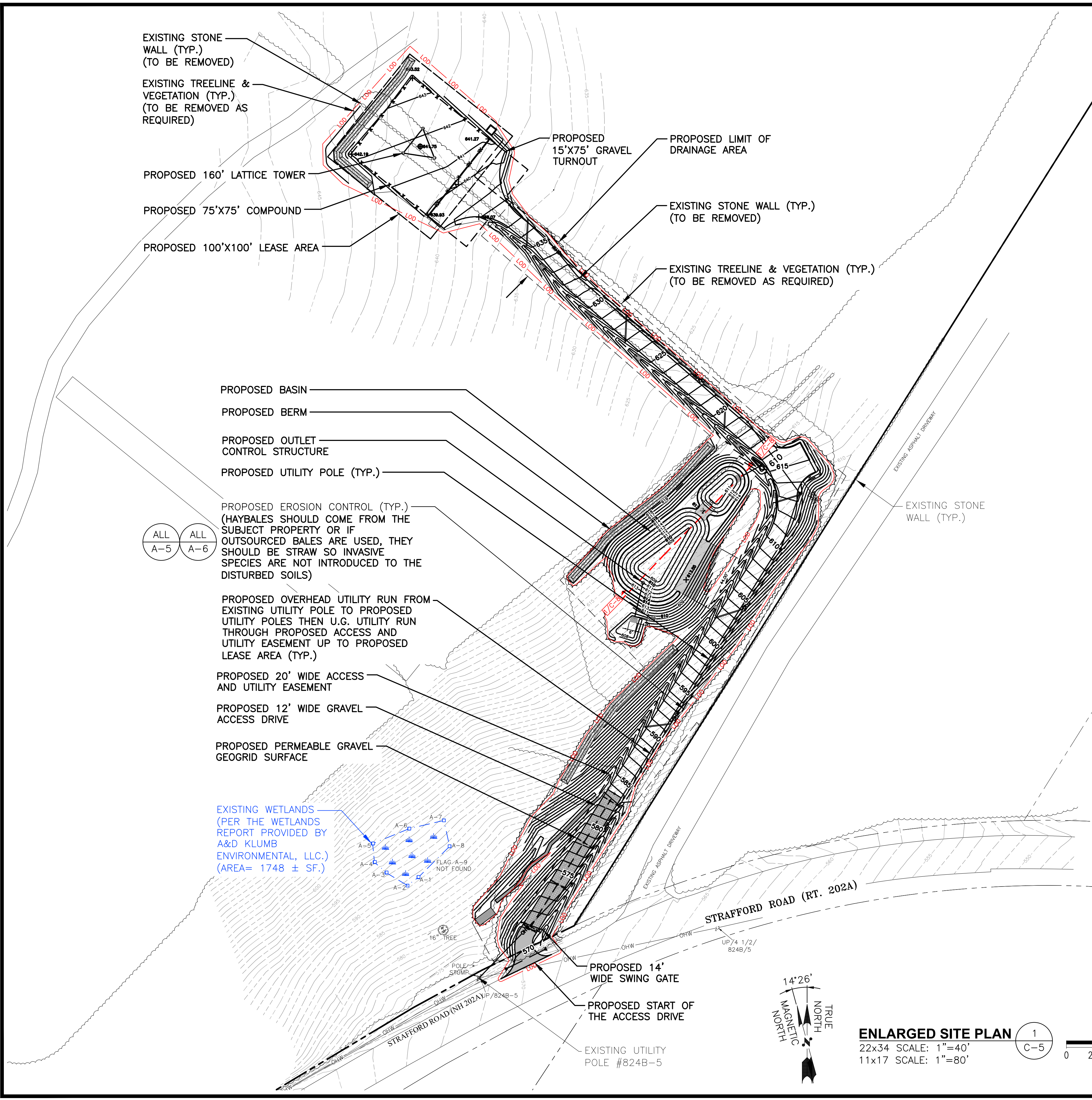
SITE NUMBER:
NAV-31

SITE NAME:
STRAFFORD EAST

SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE
SITE PLAN
(NSD-RL)

SHEET NUMBER
C-4



ALL
A-5

ALL
A-6

PROPOSED EROSION CONTROL (TYP.)
(HAYBALES SHOULD COME FROM THE
SUBJECT PROPERTY OR IF
OUTSOURCED BALES ARE USED, THEY
SHOULD BE STRAW SO INVASIVE
SPECIES ARE NOT INTRODUCED TO THE
DISTURBED SOILS)

PROPOSED OVERHEAD UTILITY RUN FROM
EXISTING UTILITY POLE TO PROPOSED
UTILITY POLES THEN U.G. UTILITY RUN
THROUGH PROPOSED ACCESS AND
UTILITY EASEMENT UP TO PROPOSED
LEASE AREA (TYP.)

PROPOSED 20' WIDE ACCESS
AND UTILITY EASEMENT

PROPOSED 12' WIDE GRAVEL
ACCESS DRIVE

PROPOSED PERMEABLE GRAVEL
GEOGRID SURFACE

EXISTING WETLANDS
(PER THE WETLANDS
REPORT PROVIDED BY
A&D KLUMB
ENVIRONMENTAL, LLC.)
(AREA= 1748 ± SF.)

A-1
A-2
A-3
A-4
A-5
A-6
A-7
A-8
A-9
FLAG A-9
NOT FOUND

PROPOSED
15'X75' GRAVEL
TURNOUT

PROPOSED LIMIT OF
DRAINAGE AREA

EXISTING STONE WALL (TYP.)
(TO BE REMOVED)

EXISTING TREELINE & VEGETATION (TYP.)
(TO BE REMOVED AS REQUIRED)

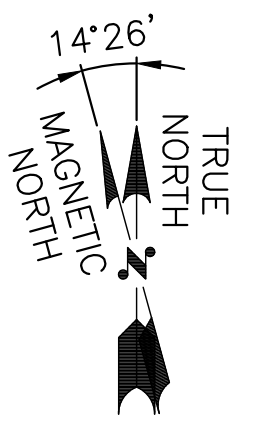
EXISTING STONE WALL (TYP.)

STRAFFORD ROAD (RT. 202A)

PROPOSED 14'
WIDE SWING GATE

PROPOSED START OF
THE ACCESS DRIVE

EXISTING UTILITY
POLE #824B-5



ENLARGED SITE PLAN
22x34 SCALE: 1"=40'
11x17 SCALE: 1"=80'

1
C-5

SOURCE

- SURVEY PROVIDED BY NORTHEAST SURVEY CONSULTANTS,
3 FERRY STREET, STUDIO 1 EAST EASTHAMPTON, MA 01027,
DATED: 8/10/23

LEGEND

- SUBJECT PROPERTY LINE
- - - ABUTTING PROPERTY LINE
- XX-XXX PARCEL ID (MAP-LOT)
- EXISTING WETLANDS

IMPERVIOUS SURFACE AREA (NO PAVED AREAS):

- PROPOSED 75'X75' CRUSHED STONE COMPOUND
SURFACE WITH TOWER FOUNDATION PAD & FUTURE
(4) 10'X30' LEASE AREAS: 5,625 SQ. FT.
- PROPOSED GRAVEL ACCESS DRIVE: 11,524± SQ. FT.
- TOTAL IMPERVIOUS SURFACE AREA = 17,149 SQ. FT.

NOTE:

EXISTING ON-SITE VEGETATION AND NATURAL SCREENING
SHALL BE PRESERVED TO THE MAXIMUM EXTENT
POSSIBLE.

NOTE:

- A WETLANDS REPORT WAS COMPLETED BY A&D
KLUMB ENVIRONMENTAL, LLC. DATED: JUNE 27,
2022. THE CONCLUSION OF THIS REPORT STATED
THAT A SMALL WETLAND AREA WAS IDENTIFIED WITHIN
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(SEE APPROXIMATE LOCATIONS ON SHEET C-4)

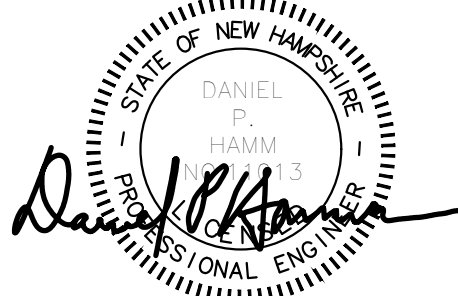
FOR
ZONING



Navigator Properties, LLC
P.O. BOX 1160
KENNEBUNKPORT, ME 04046



TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553



CHECKED BY: AT

APPROVED BY: DPH

SUBMITTALS

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0	09/07/22	ISSUED FOR DRIVEWAY PERMIT	VD

SITE NUMBER:
NAV-31

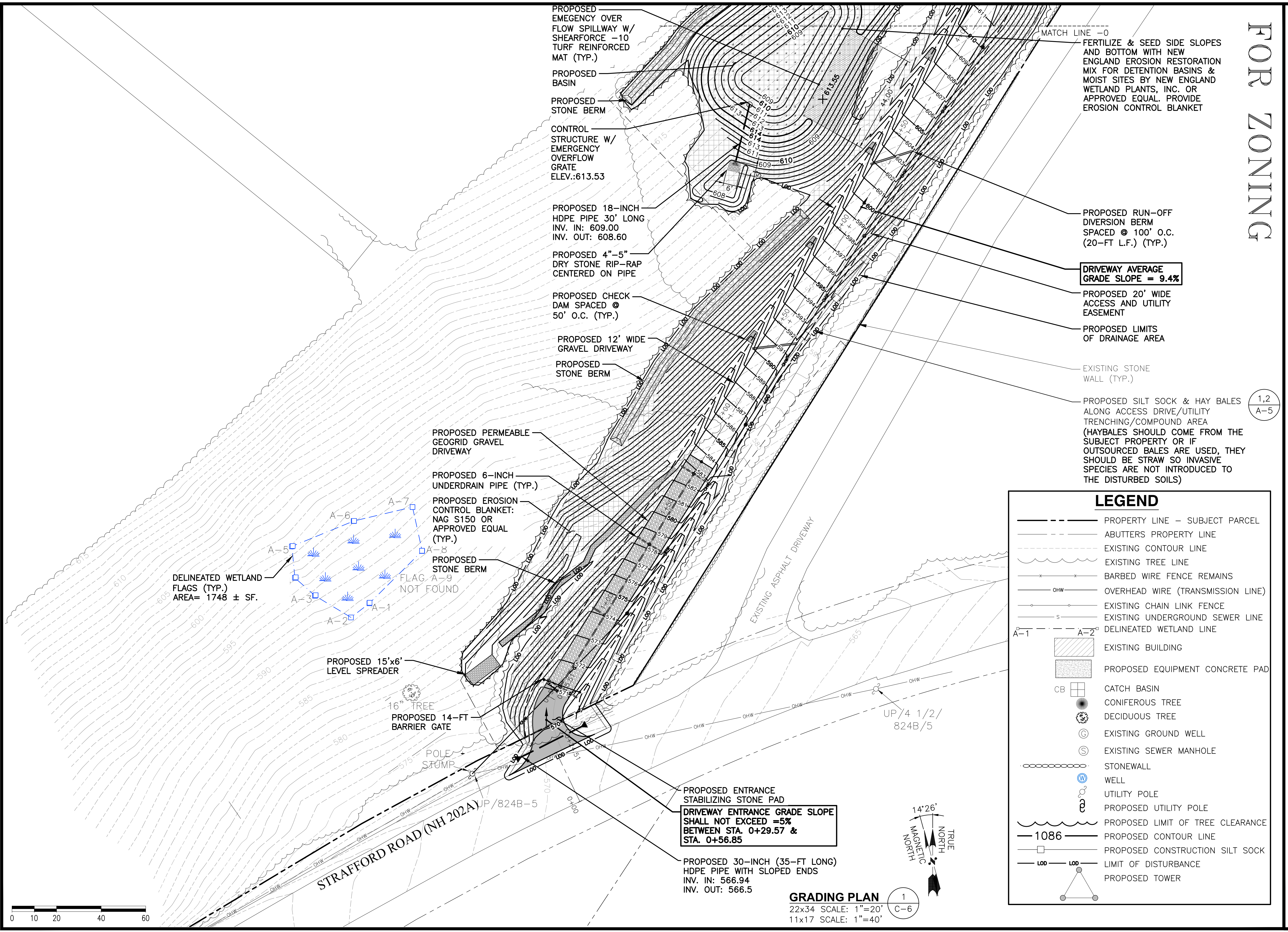
SITE NAME:
STRAFFORD EAST

SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE
ENLARGED SITE
PLAN
(NSD-RL)

SHEET NUMBER

C-5



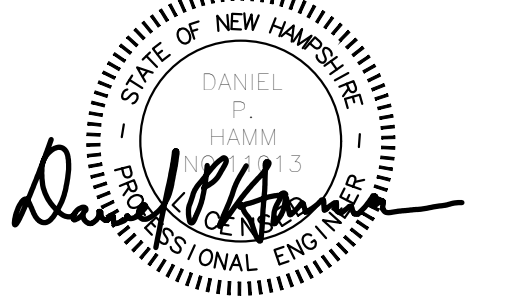
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NAV-31

SITE NAME:
STRAFFORD EAST

SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE
GRADING PLAN
(NSD-RL)

SHEET NUMBER
C-6

FERTILIZE & SEED SIDE SLOPES AND BOTTOM WITH NEW ENGLAND EROSION RESTORATION MIX FOR DETENTION BASINS & MOIST SITES BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL. PROVIDE EROSION CONTROL BLANKET

PROPOSED RUN-OFF DIVERSION BERM SPACED @ 100' O.C. (20-FT L.F.) (TYP.)

DRIVEWAY AVERAGE GRADE SLOPE = 9.4%

PROPOSED 20' WIDE ACCESS AND UTILITY EASEMENT

PROPOSED LIMITS OF DRAINAGE AREA

EXISTING STONE WALL (TYP.)

PROPOSED SILT SOCK & HAY BALES ALONG ACCESS DRIVE/UTILITY TRENCHING/COMPOUND AREA (HAYBALES SHOULD COME FROM THE SUBJECT PROPERTY OR IF OUTSOURCED BALES ARE USED, THEY SHOULD BE STRAW SO INVASIVE SPECIES ARE NOT INTRODUCED TO THE DISTURBED SOILS)

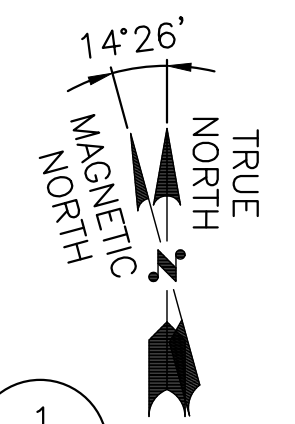
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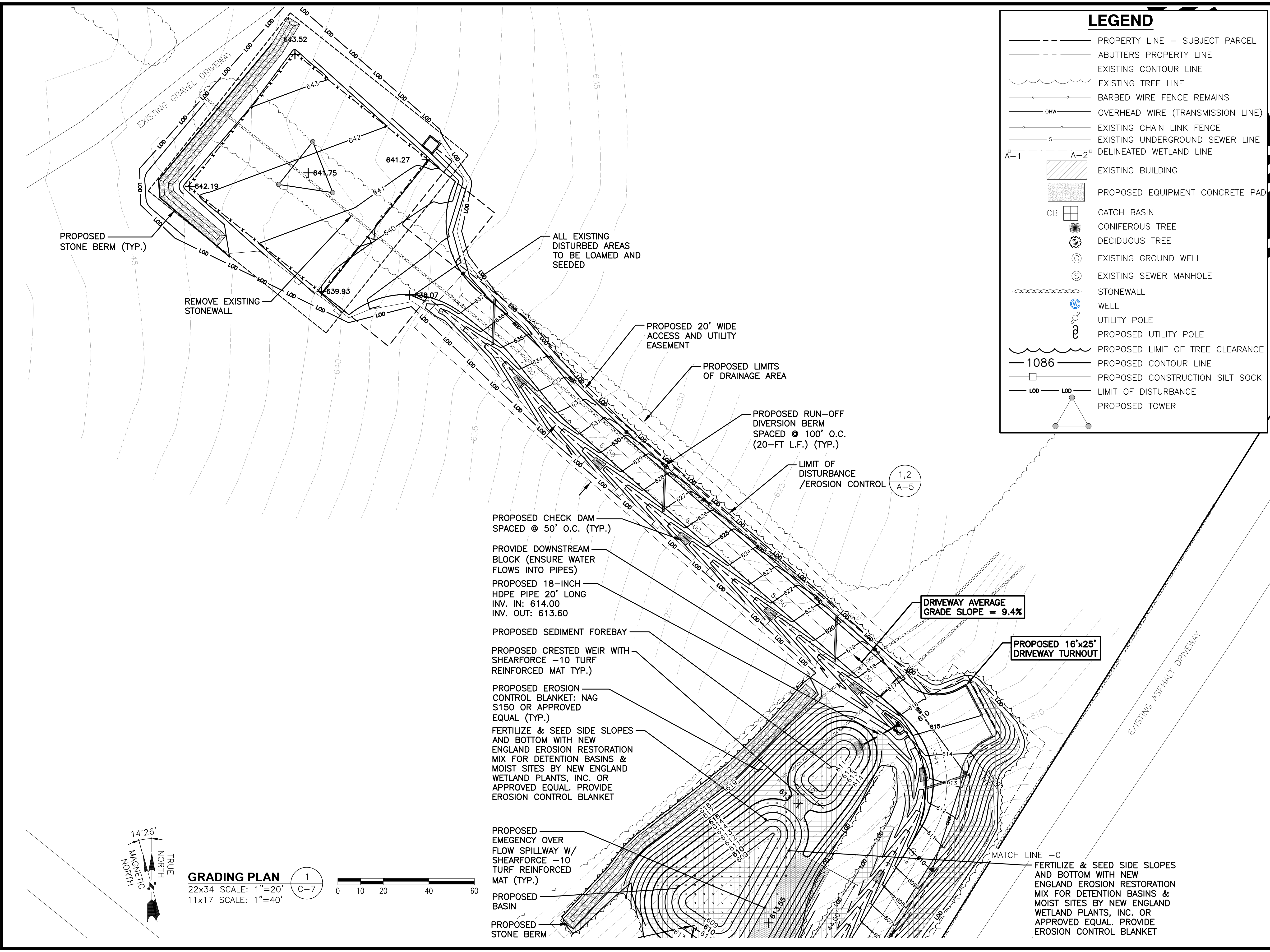
- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- EXISTING CONTOUR LINE
- EXISTING TREE LINE
- BARBED WIRE FENCE REMAINS
- OVERHEAD WIRE (TRANSMISSION LINE)
- EXISTING CHAIN LINK FENCE
- EXISTING UNDERGROUND SEWER LINE
- DELINEATED WETLAND LINE
- EXISTING BUILDING
- PROPOSED EQUIPMENT CONCRETE PAD
- CATCH BASIN
- CONIFEROUS TREE
- DECIDUOUS TREE
- EXISTING GROUND WELL
- EXISTING SEWER MANHOLE
- STONEWALL
- WELL
- UTILITY POLE
- PROPOSED UTILITY POLE
- PROPOSED LIMIT OF TREE CLEARANCE
- PROPOSED CONTOUR LINE
- PROPOSED CONSTRUCTION SILT SOCK
- LIMIT OF DISTURBANCE
- PROPOSED TOWER

PROPOSED ENTRANCE STABILIZING STONE PAD
DRIVEWAY ENTRANCE GRADE SLOPE SHALL NOT EXCEED =5% BETWEEN STA. 0+29.57 & STA. 0+56.85

PROPOSED 30-INCH (35-FT LONG) HDPE PIPE WITH SLOPED ENDS
INV. IN: 566.94
INV. OUT: 566.5

GRADING PLAN
22x34 SCALE: 1"=20'
11x17 SCALE: 1"=40'





LEGEND

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- EXISTING CONTOUR LINE
- EXISTING TREE LINE
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- LIMIT OF DISTURBANCE
- PROPOSED TOWER

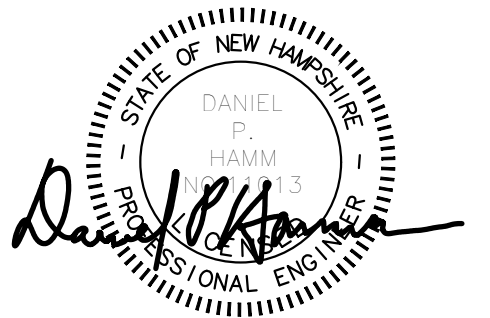
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SITE NUMBER:
NAV-31

SITE NAME:
STRAFFORD EAST

SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE
GRADING PLAN
(NSD-RL)

SHEET NUMBER
C-7

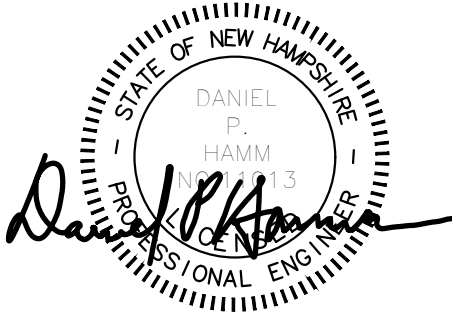
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NAV-31

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STRAFFORD COUNTY

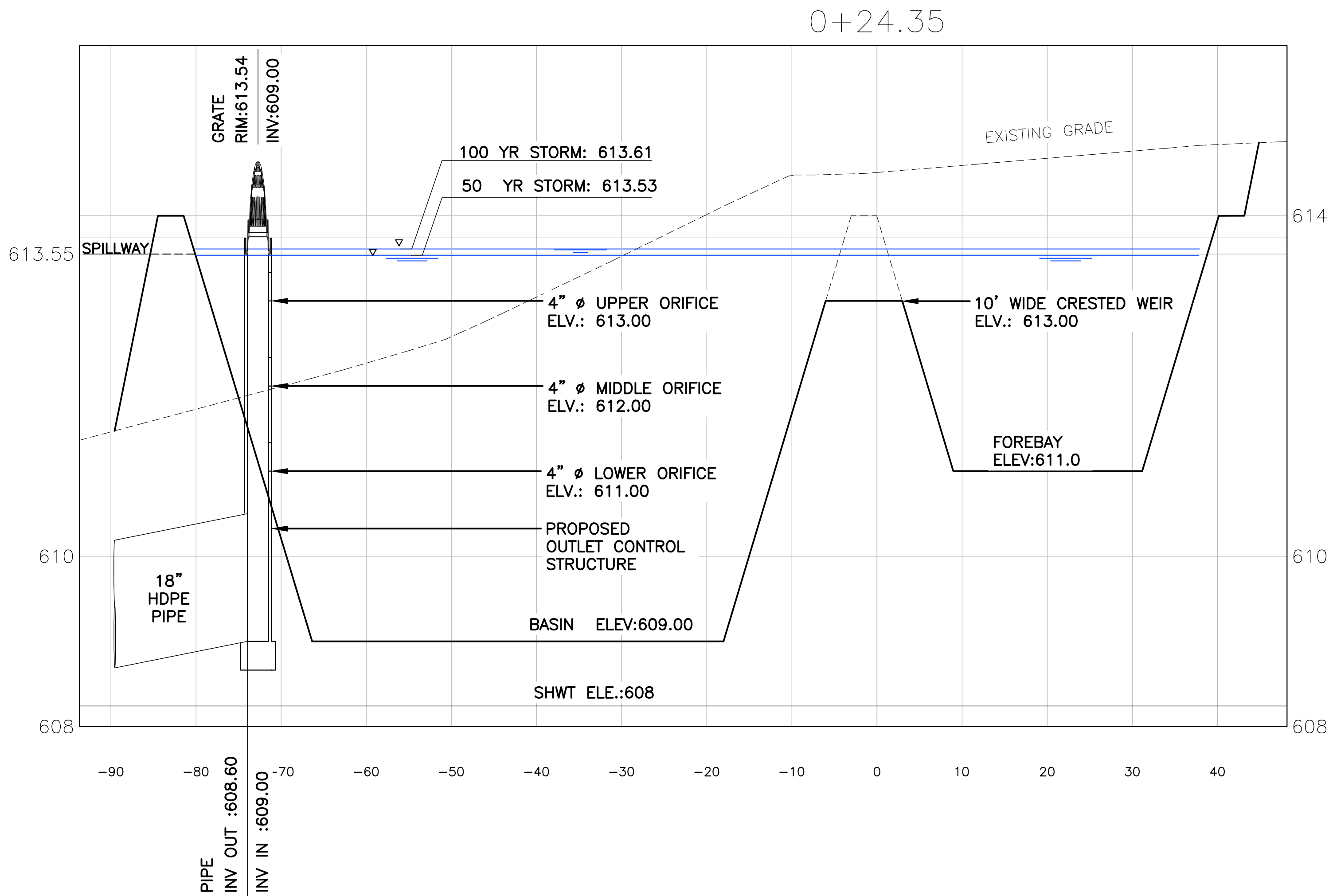
SHEET TITLE

BASIN PROFILE

(NSD-RL)

SHEET NUMBER

C-8

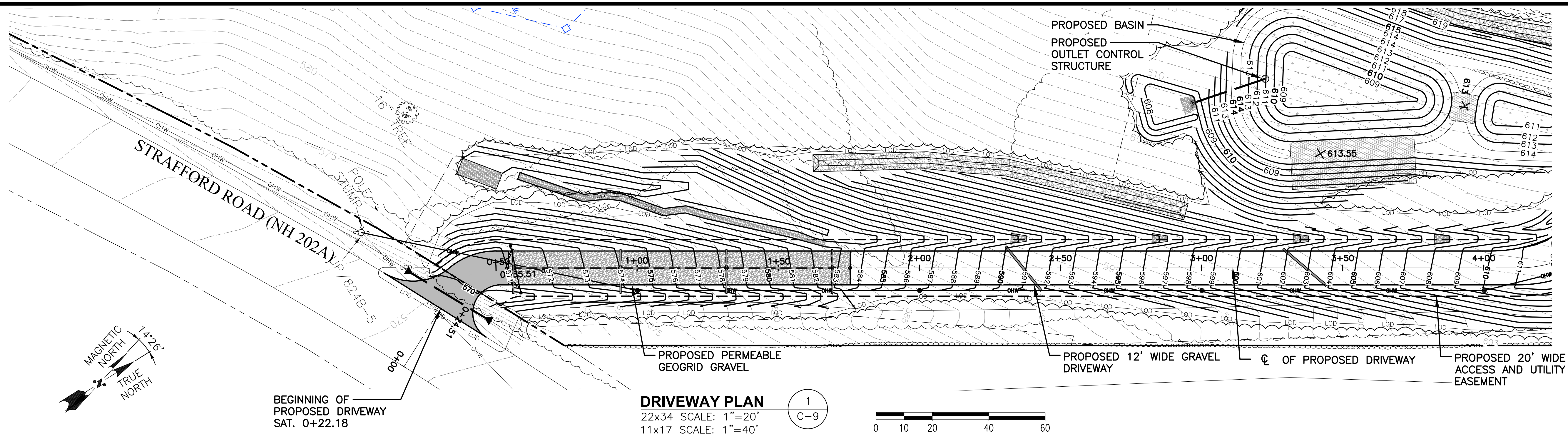


BASIN SECTION
22x34 SCALE: 1"=20'
11x17 SCALE: 1"=40'

1
C-8

22x24 HORIZONTAL SCALE 1"=10'
11x17 HORIZONTAL SCALE: 1"=20'
0 5 10 20 30

22x24 VERTICAL SCALE 1"=1'
11x17 VERTICAL SCALE: 1"=2'
0 0'-6" 1'-0" 2'-0" 3'-0"



FOR ZONING



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SUBMITTALS

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SITE NUMBER:
NAV-31

SITE NAME:
STRAFFORD EAST

SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

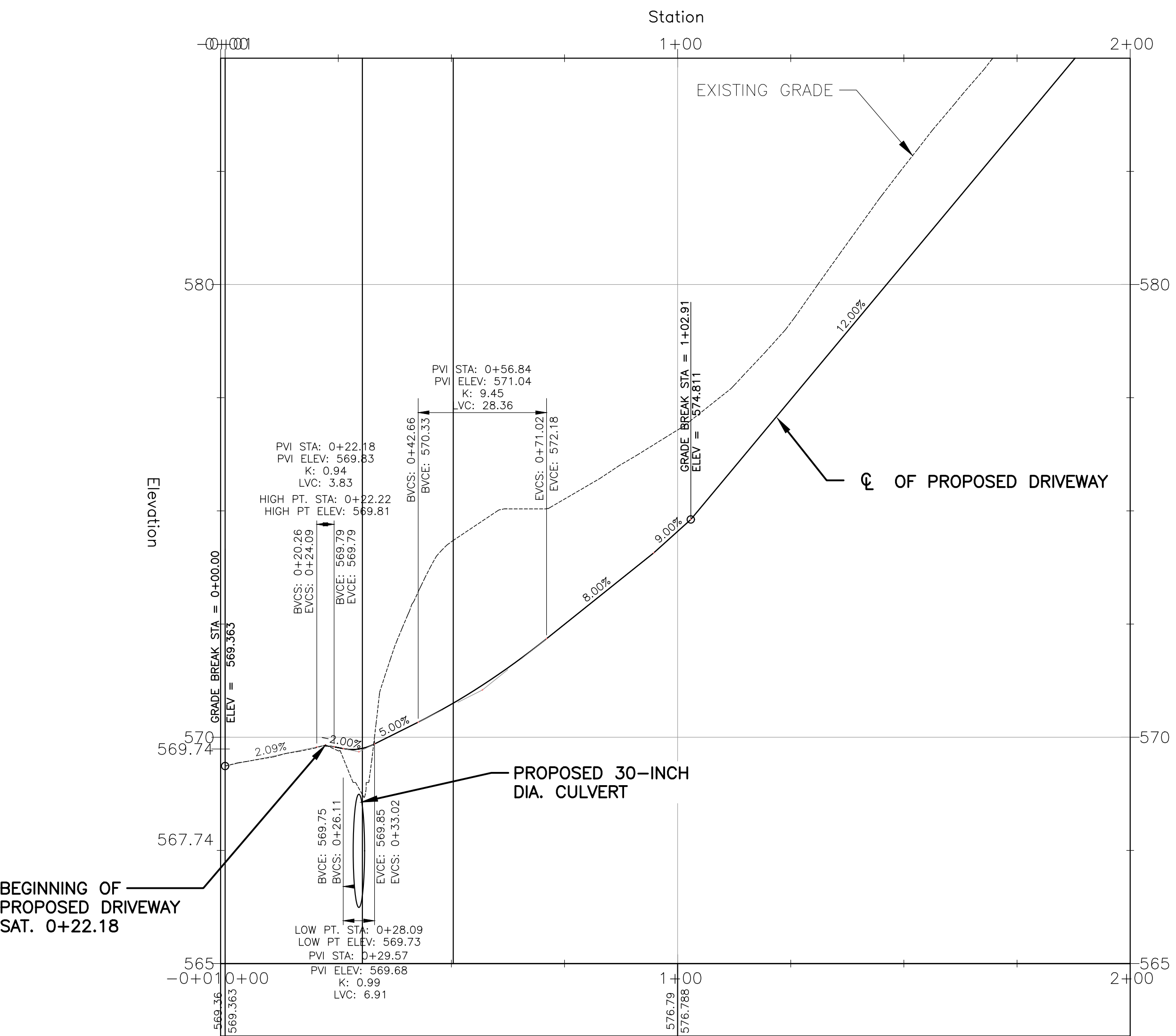
SHEET TITLE

DRIVEWAY PROFILE

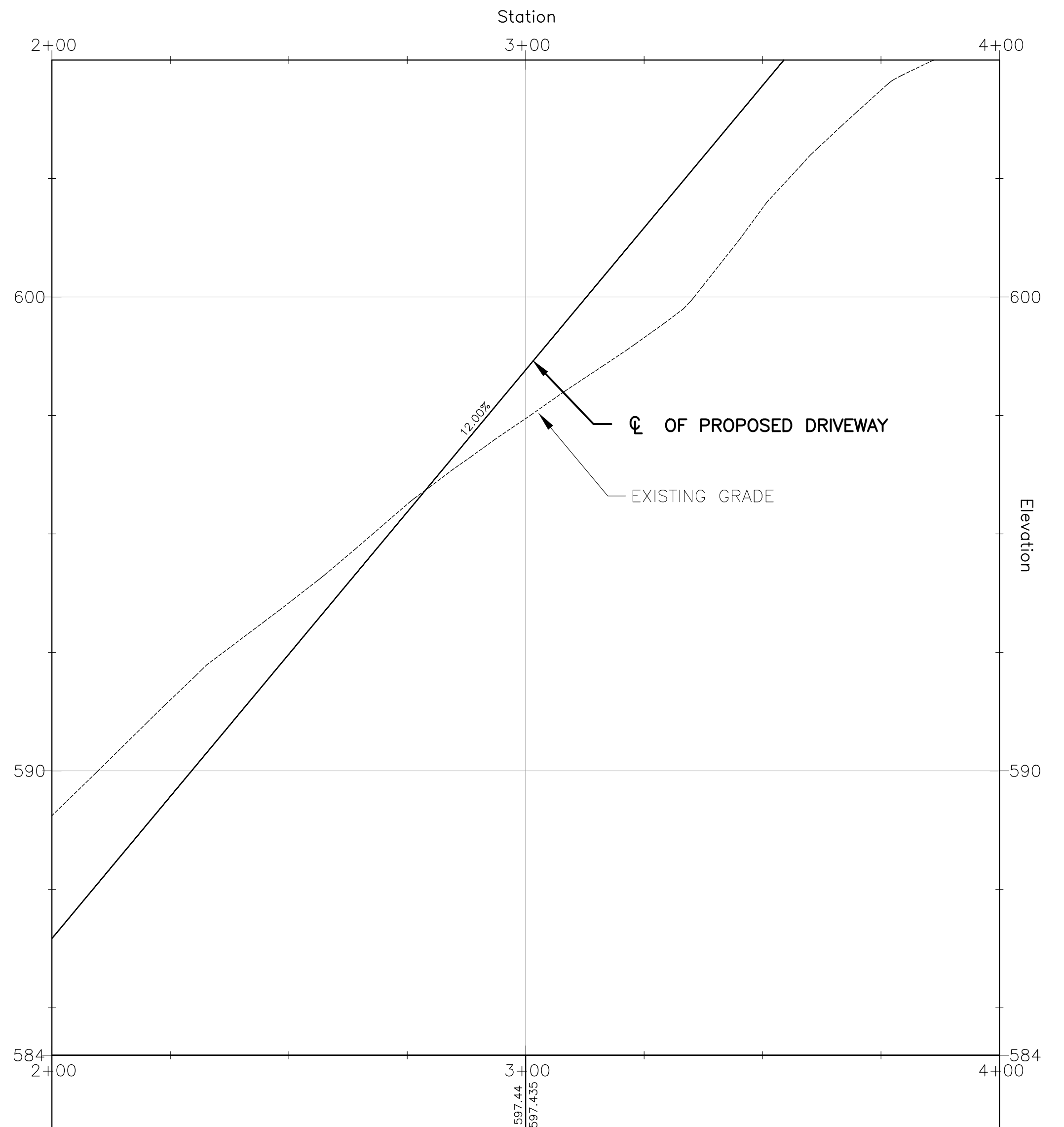
(NSD-RL)

SHEET NUMBER

C-9



22x24 HORIZONTAL SCALE 1"=20'
11x17 HORIZONTAL SCALE: 1"=40'



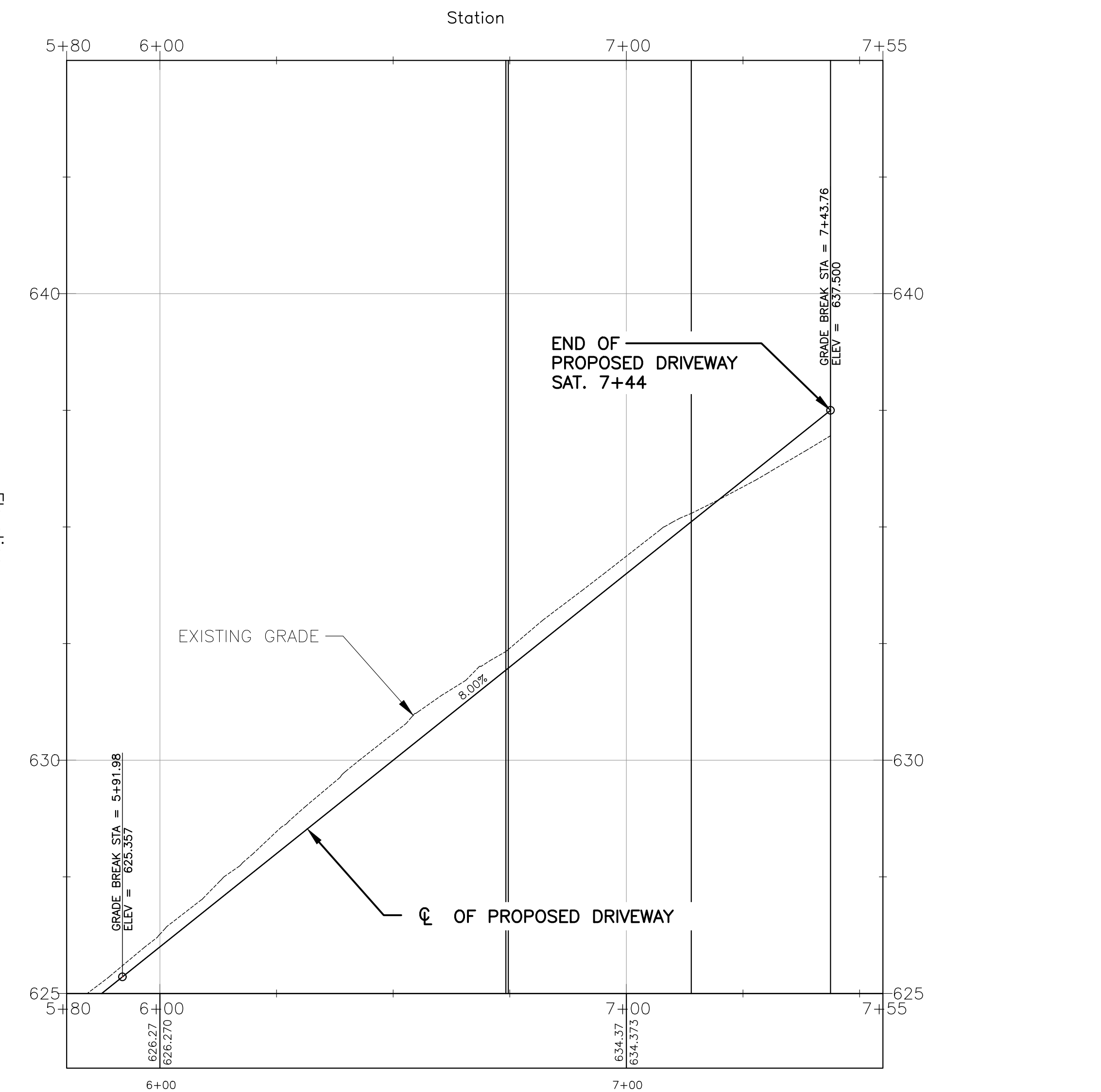
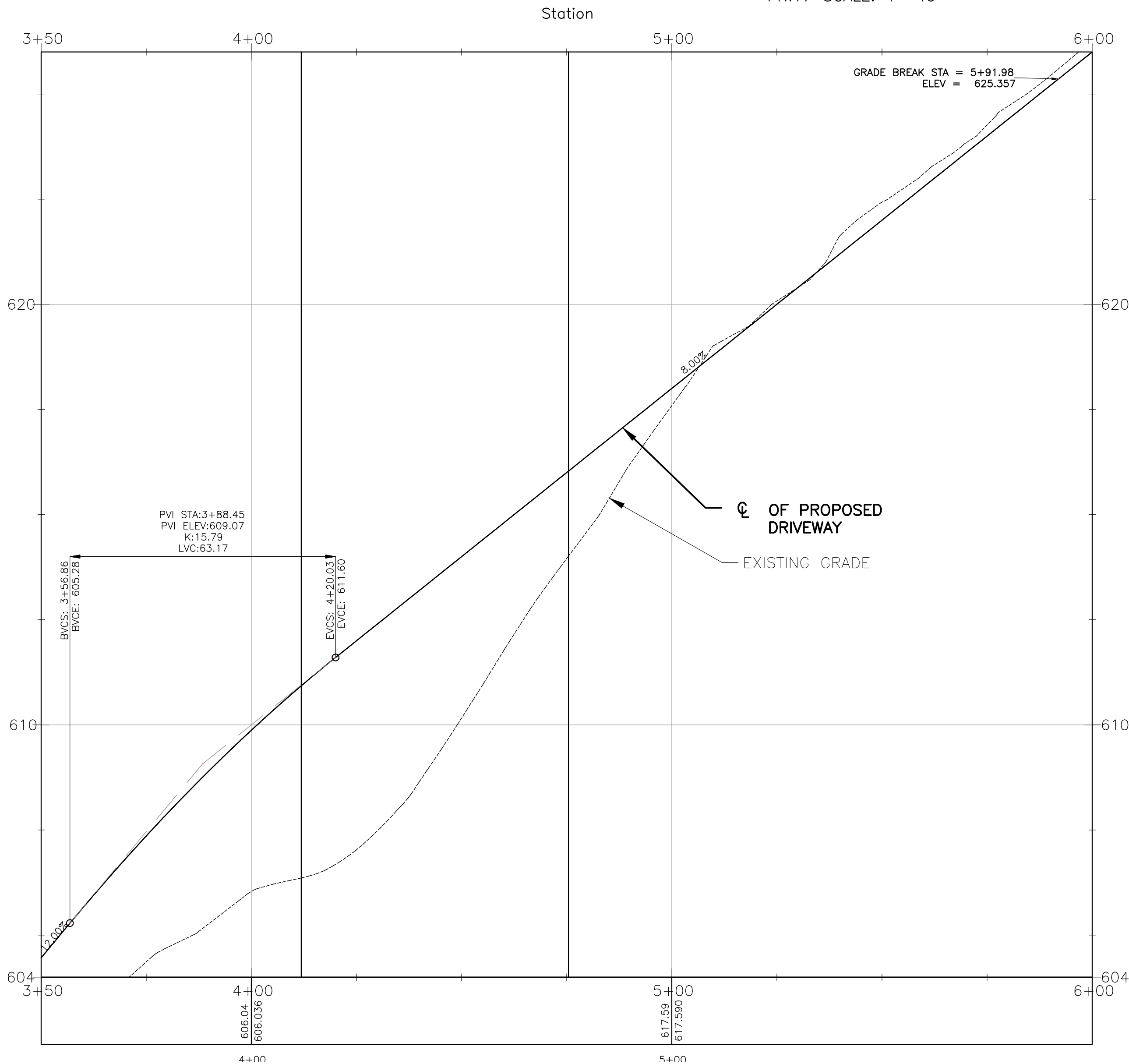
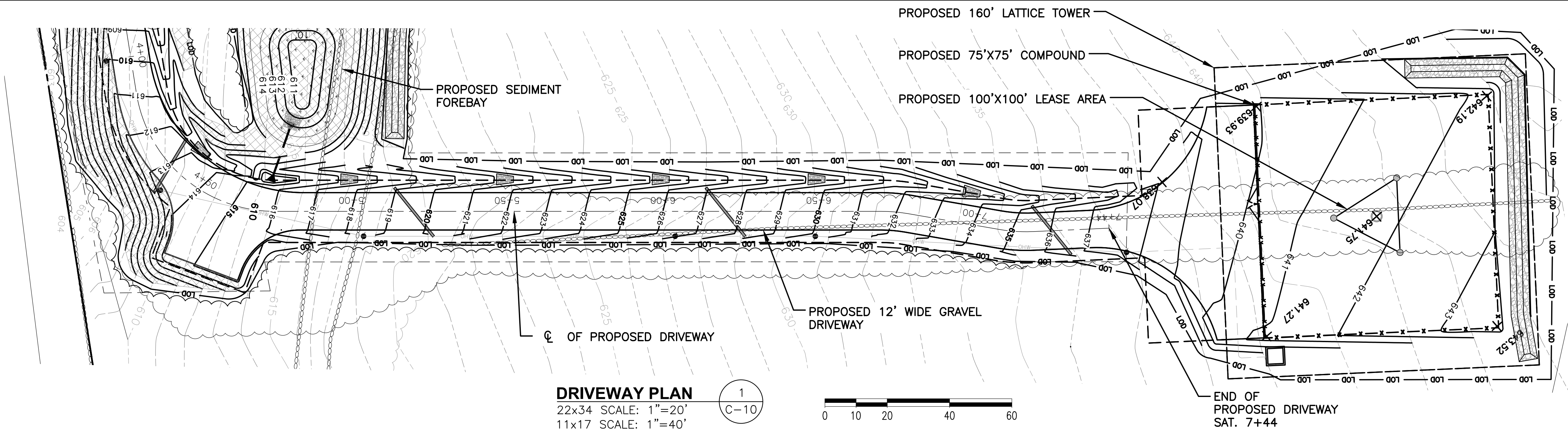
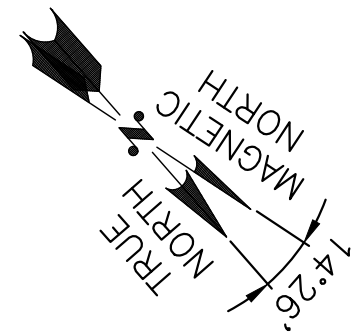
22x24 VERTICAL SCALE 1"=2'
11x17 VERTICAL SCALE: 1"=4'



DRIVEWAY PROFILE

22x34 SCALE: 1"=20'
11x17 SCALE: 1"=40'

1
C-9



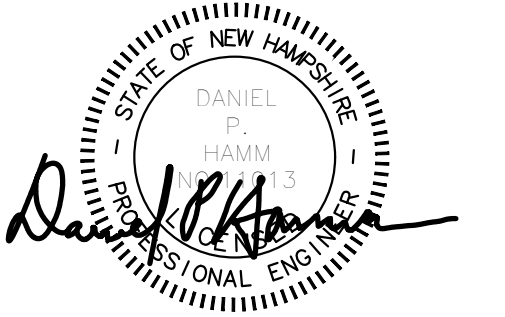
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SUBMITTALS

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SITE ADDRESS:
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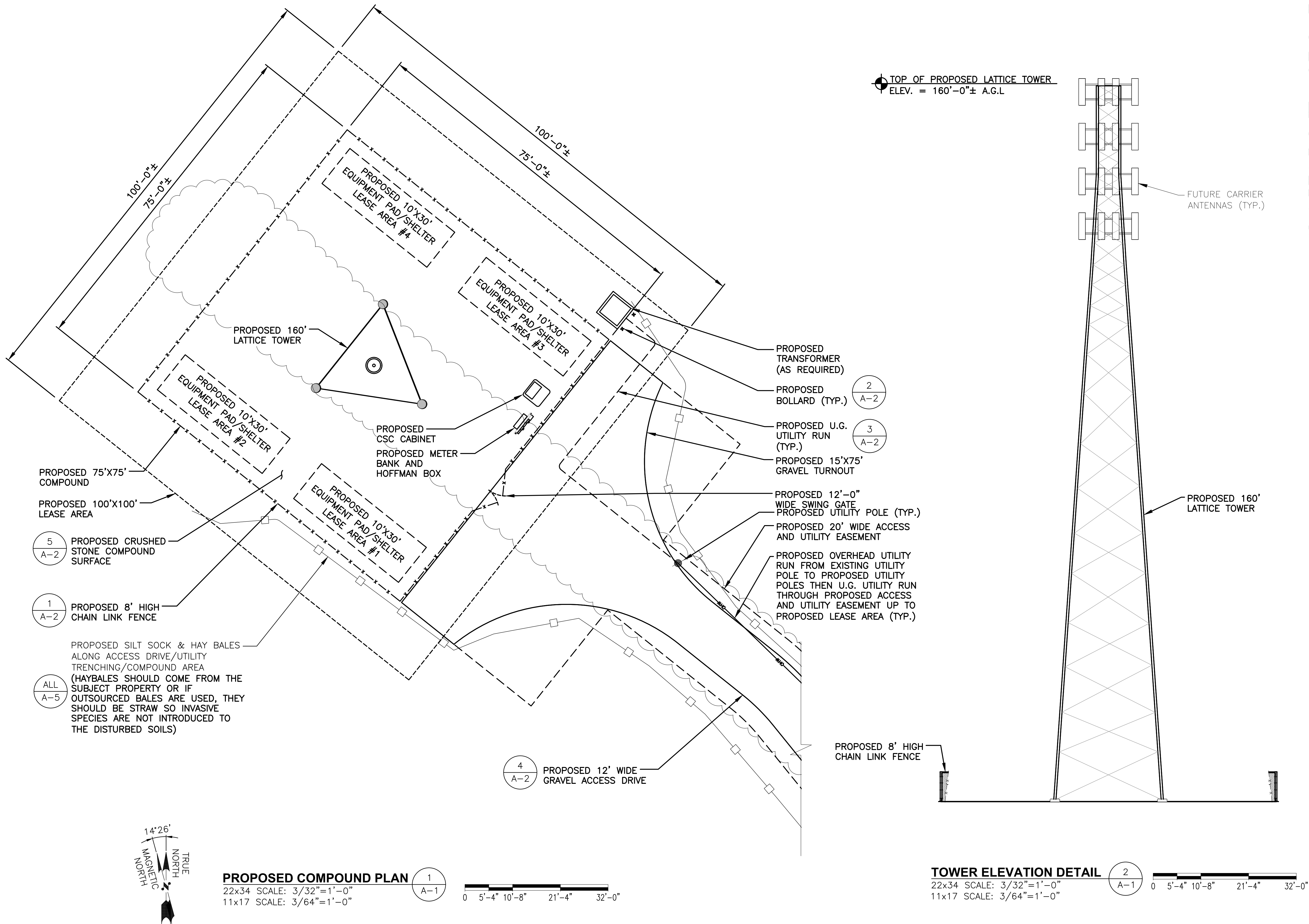
SHEET TITLE

DRIVEWAY PROFILE

(NSD-RL)

SHEET NUMBER

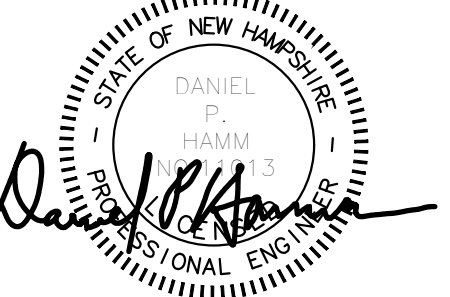
C-10



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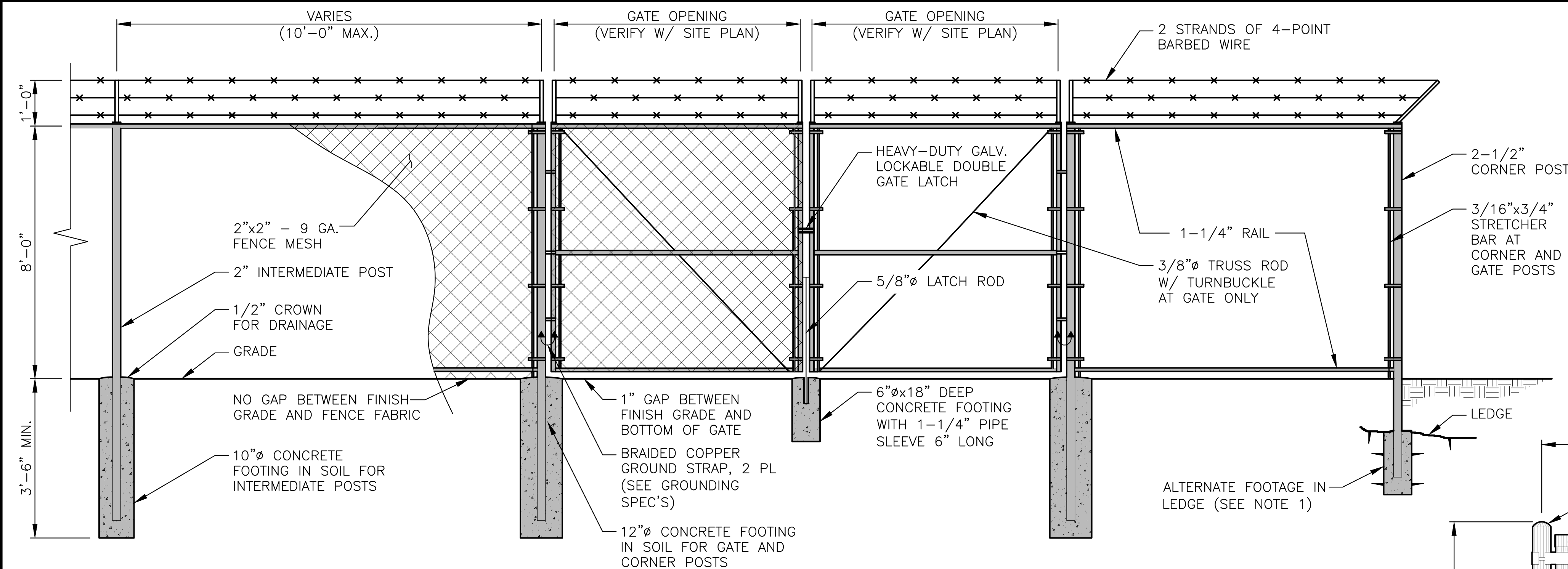
SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE
COMPOUND PLAN
& ELEVATION

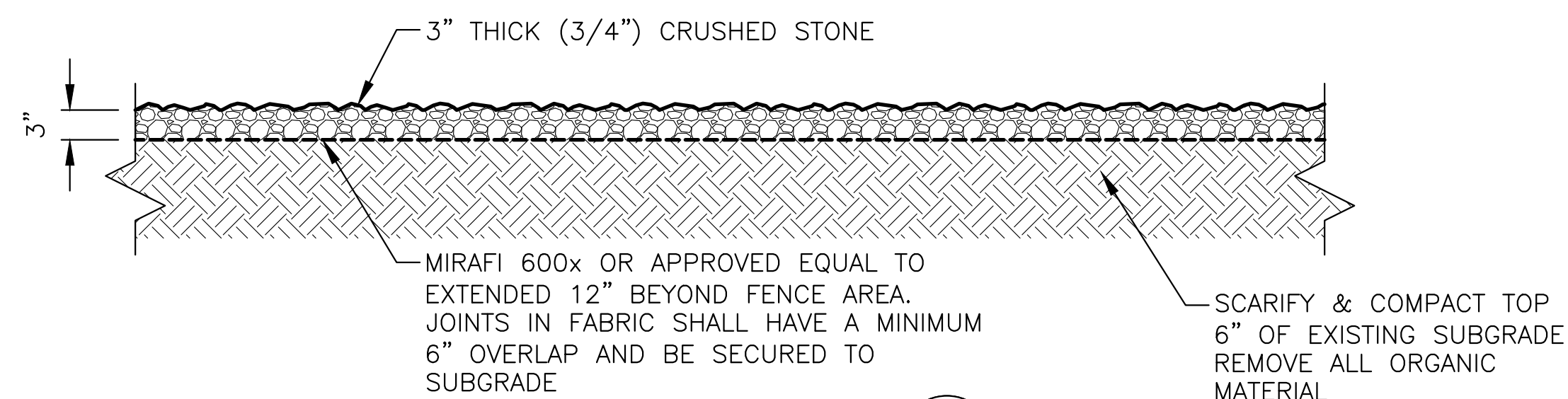
(NSD-RL)

SHEET NUMBER

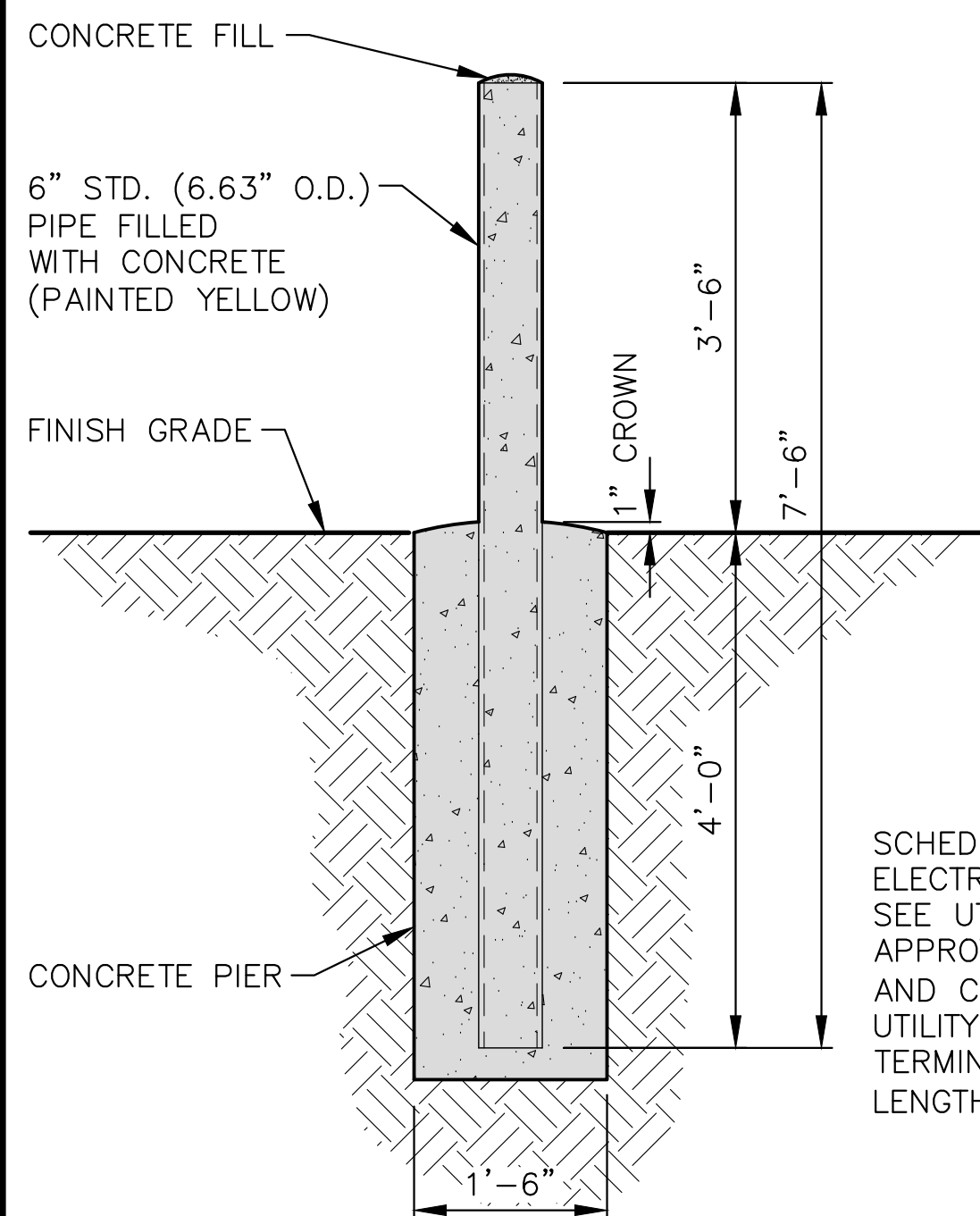
A-1



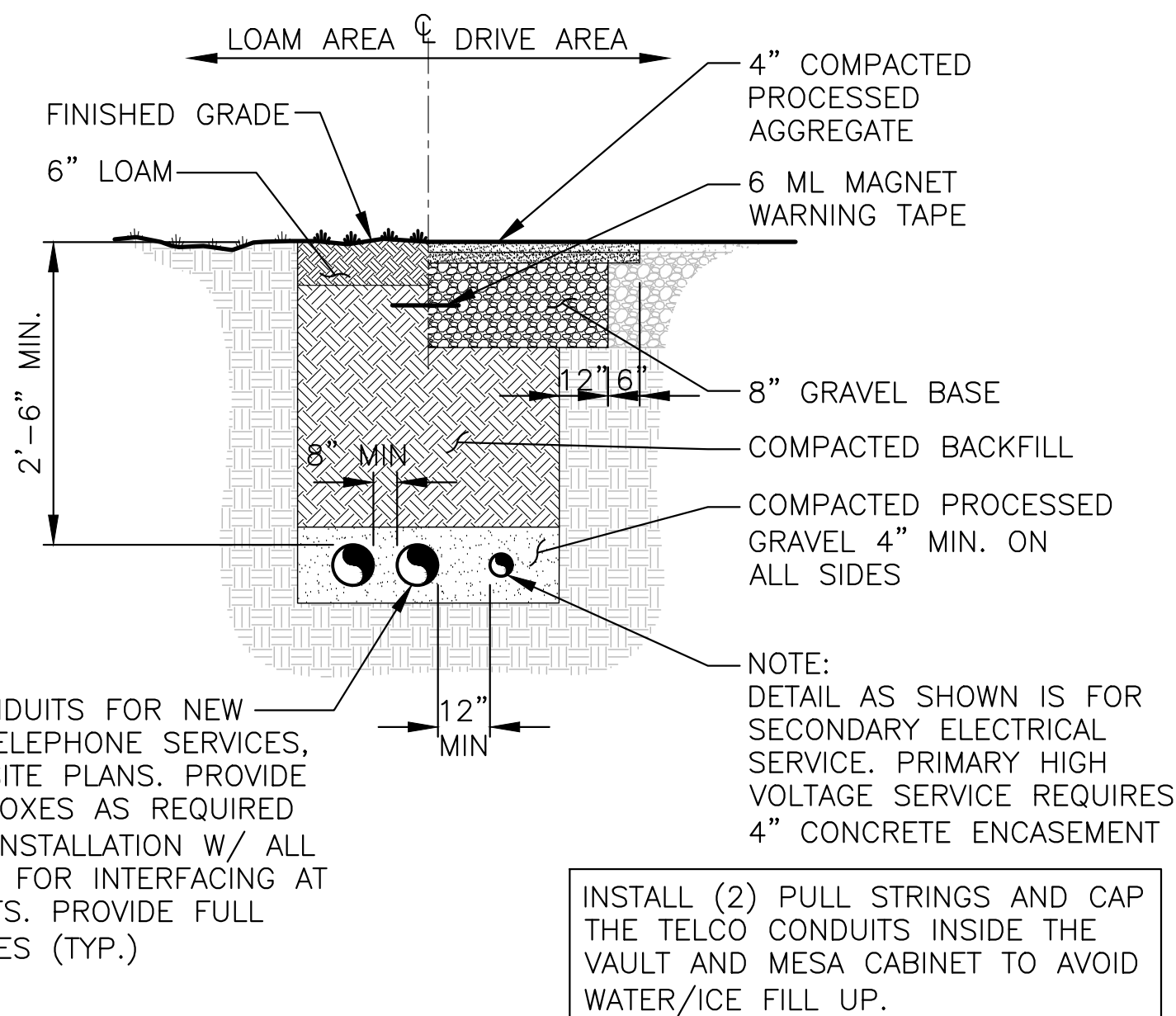
CHAINLINK FENCE DETAIL
SCALE: N.T.S.



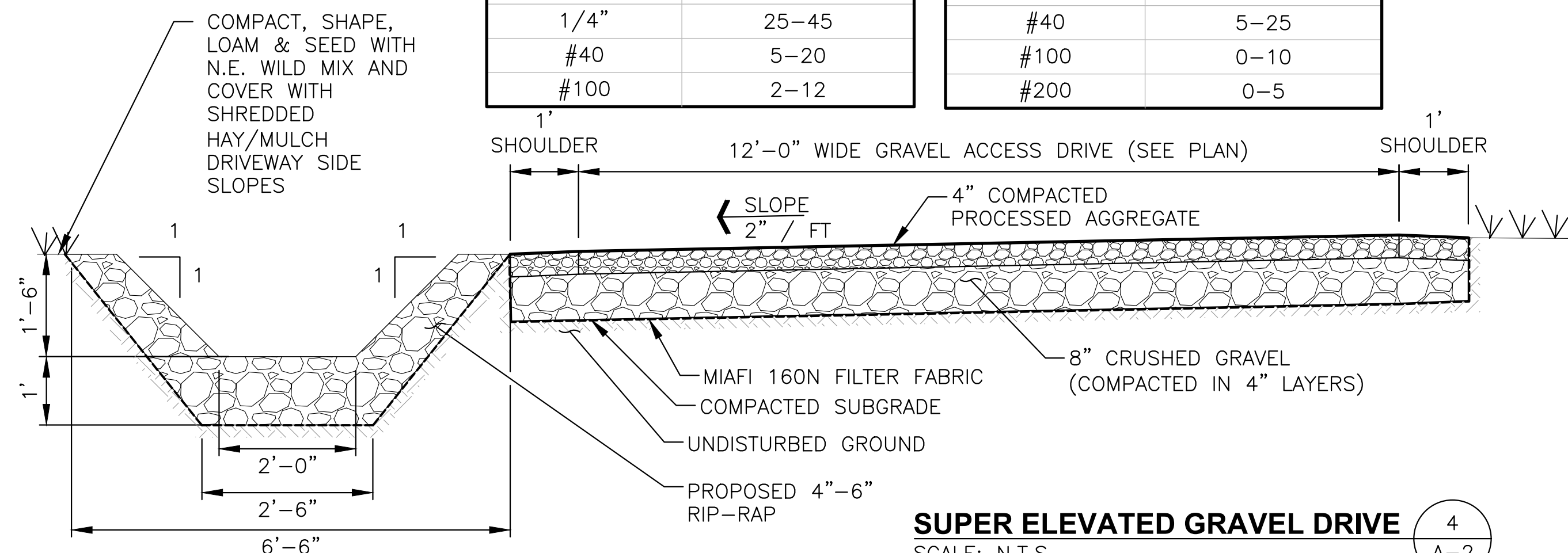
COMPOUND COVERING DETAIL
SCALE: N.T.S.



CONCRETE FILLED BOLLARD 2
22x34 SCALE: N.T.S. A-2



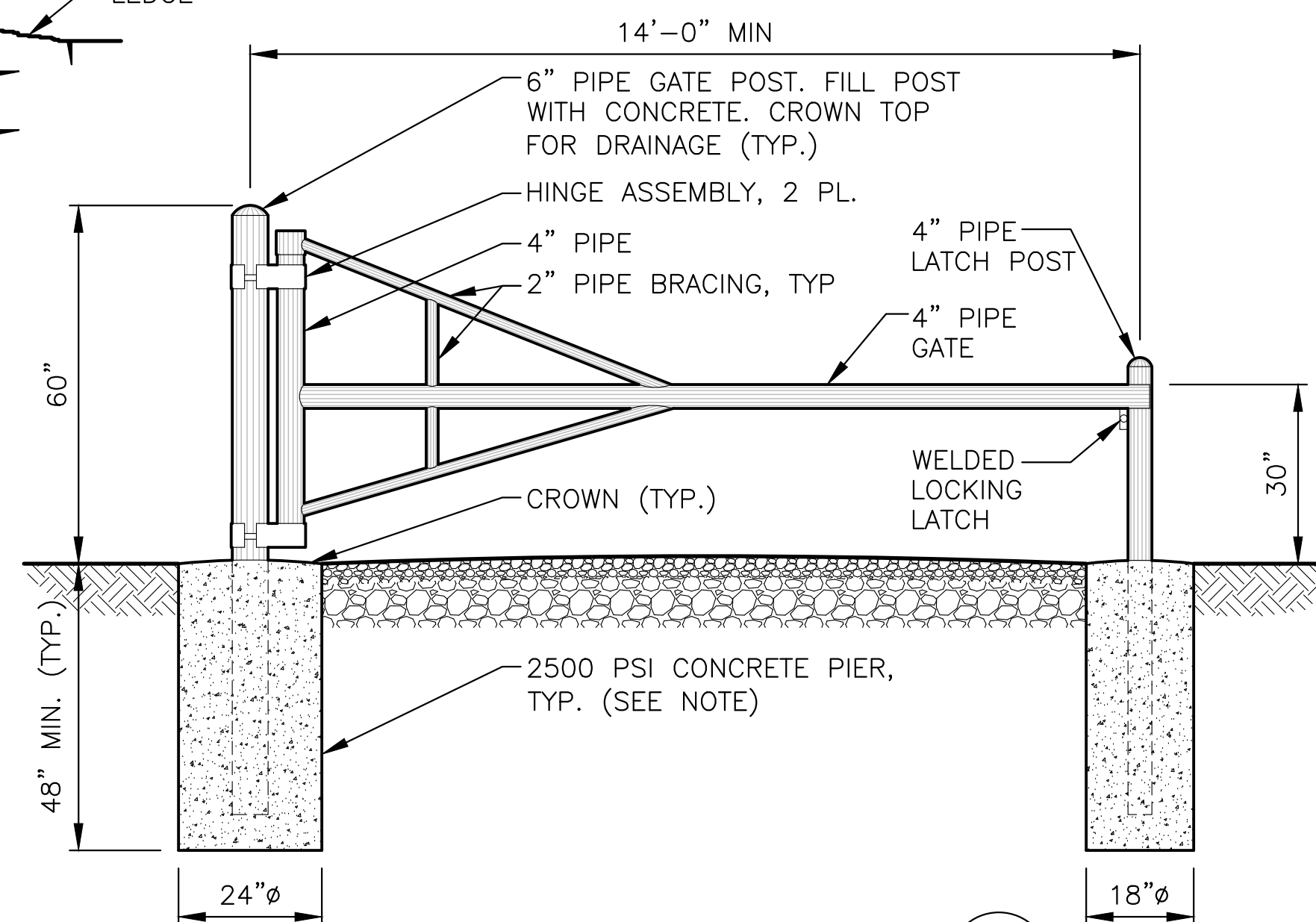
BURIED CONDUIT DETAIL
SCALE: N.T.S.



SUPER ELEVATED GRAVEL DRIVE
SCALE: N.T.S.

PROCESSED AGGREGATE	
SIEVE	% PASSING BY WEIGHT
2-1/4"	100
2"	90-100
3/4"	50-75
1/4"	25-45
#40	5-20
#100	2-12

CRUSHED GRAVEL	
SIEVE	% PASSING BY WEIGHT
5"	100
3-1/2"	90-100
1-1/2"	55-95
1/4"	25-60
#10	15-45
#40	5-25
#100	0-10
#200	0-5



BARRIER GATE DETAIL
SCALE: N.T.S.

FENCE NOTES

1. ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN LEDGE: IF LEDGE IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLOWER THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE LEDGE. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF LEDGE IS BELOW FINISH GRADE, COAT BACKFILLED SECTION OF POST WITH COAT TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.

2. ATTACH EACH GATE WITH 1-1/2 PAIR OF NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL.

NOTE:
FOR BURIED LEDGE AT LESS THAN 48" BELOW
FINISH GRADE, CORE 12" DIAM. HOLE INTO LEDGE
18" DEEP. FILL AROUND PIPE WITH NON-SHRINK
GROUT. USE COAL TAR ON BURIED LENGTH OF
PIPE, AND BACKFILL TO FINISH GRADE.

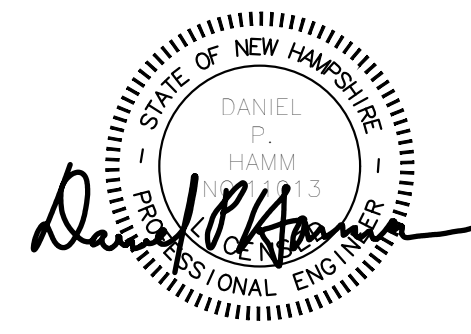
FOR ZONING



Navigator Properties, LLC
P.O. BOX 1160
KENNEBUNKPORT, ME 04046



45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553



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APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
7	12/05/23	PEER REVIEW COMMENTS	SLY
6	11/17/23	PEER & TOWN COMMENTS	VD
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4	08/09/23	ADD. STORM WATER ITEMS	SLY
3	03/28/23	REVISED FOR ZONING	VD
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1	10/24/22	ISSUED FOR ZONING	VD
0	09/07/22	ISSUED FOR DRIVEWAY PERMIT	VD

SITE NUMBER:
NAV-31

SITE NAME:
STRAFFORD EAST

SITE ADDRESS:
15 STRAFFORD ROAD
STRAFFORD, NH 03884
STRAFFORD COUNTY

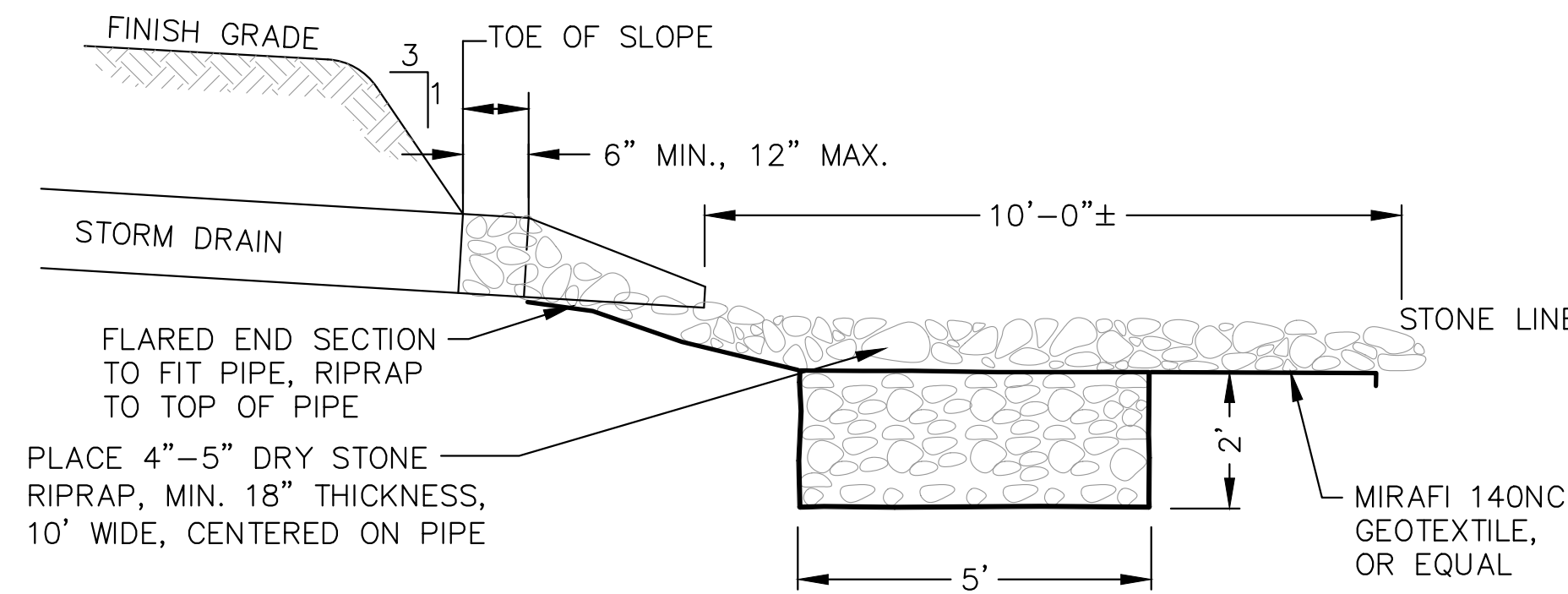
SHEET TITLE

DETAILS

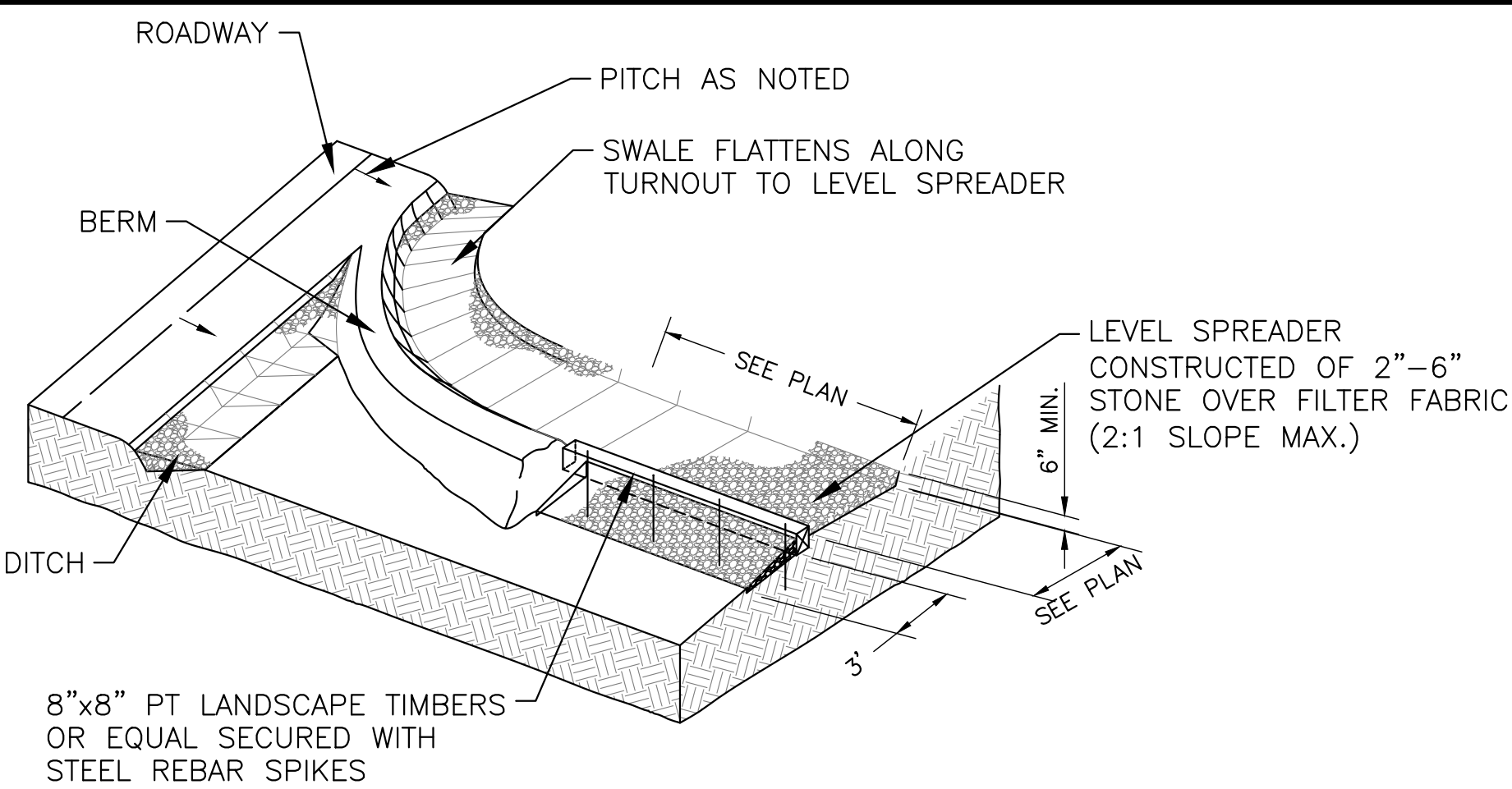
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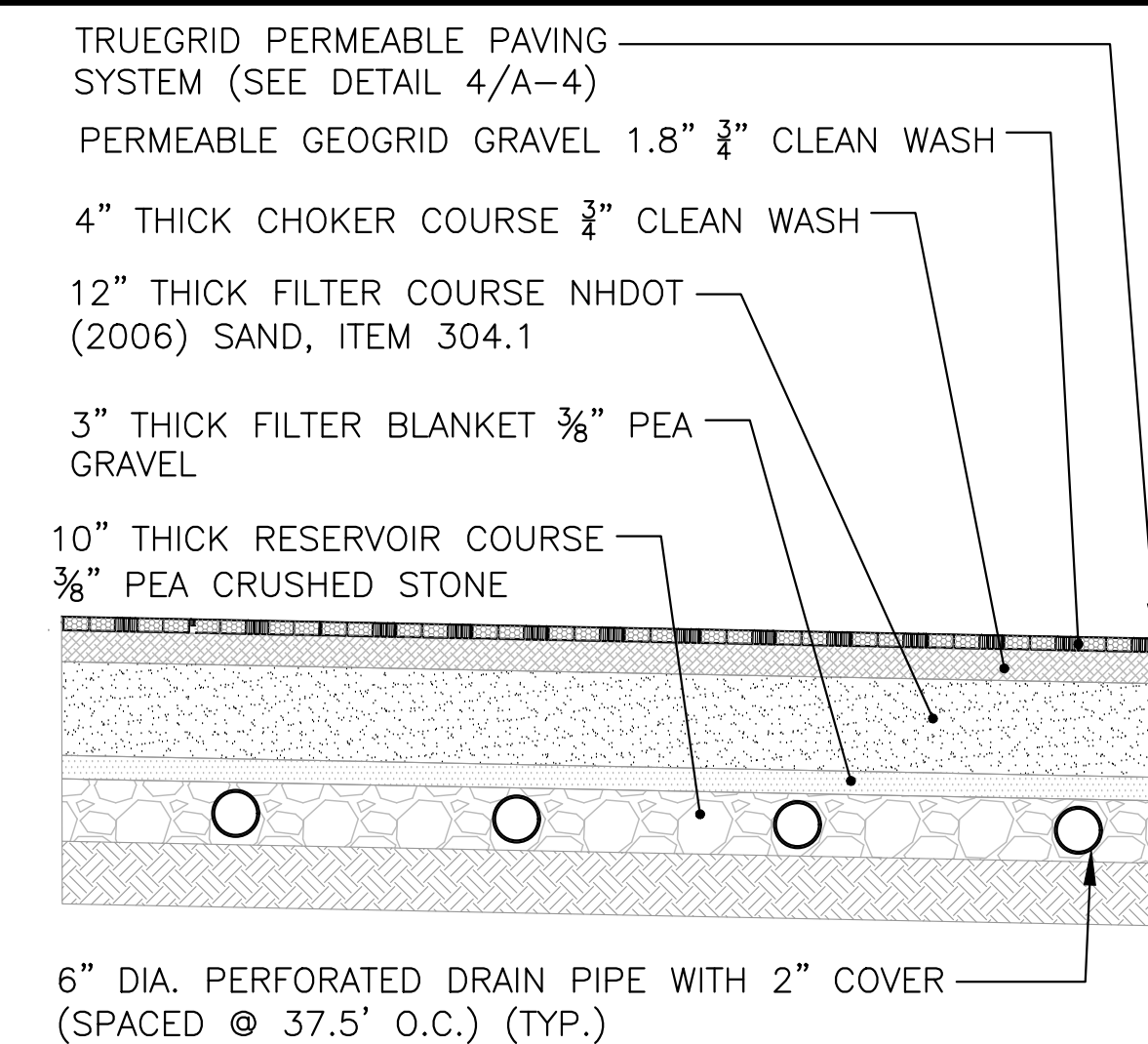
A-2



BASIN OUTLET LEVEL SPREADER
SCALE: N.T.S

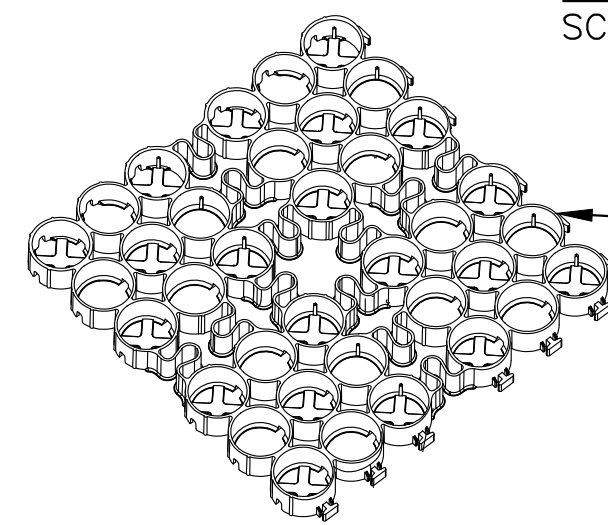


DITCH TURNOUT & LEVEL SPREADER
22x34 SCALE: N.T.S

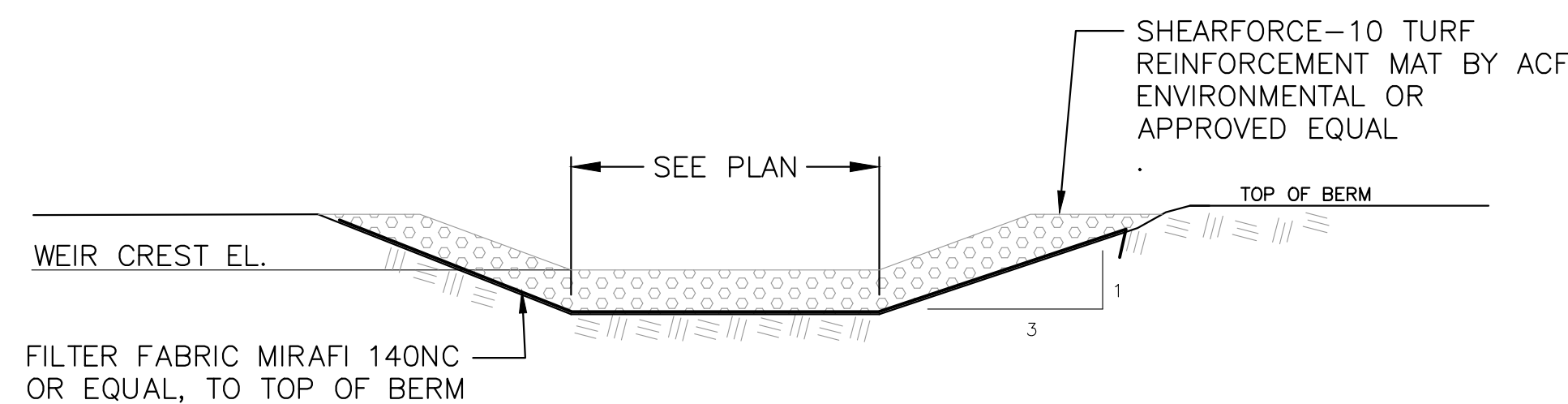


PERMEABLE GEOGRID GRAVEL DETAIL

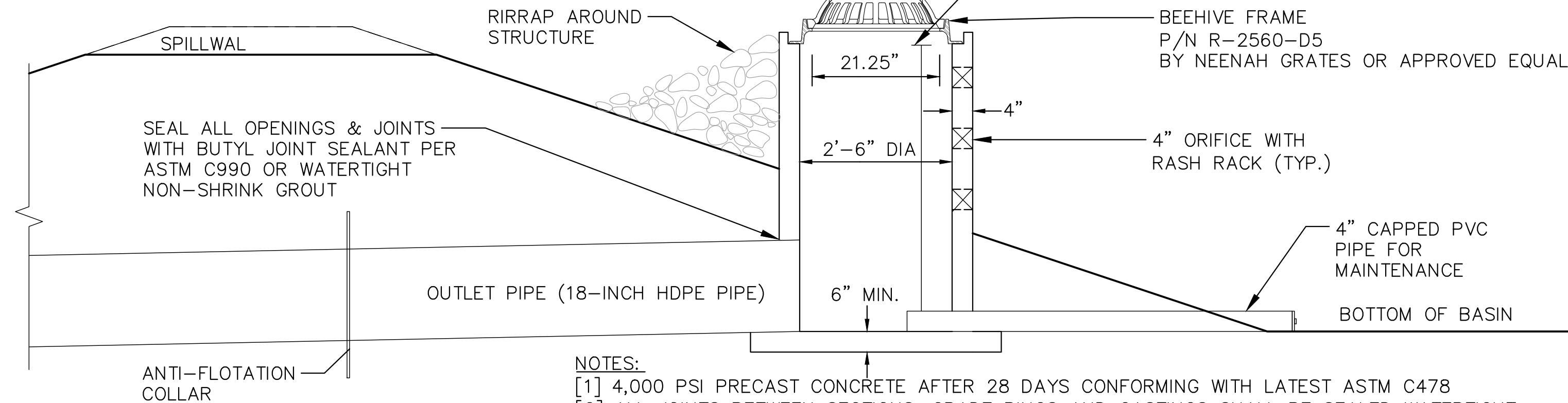
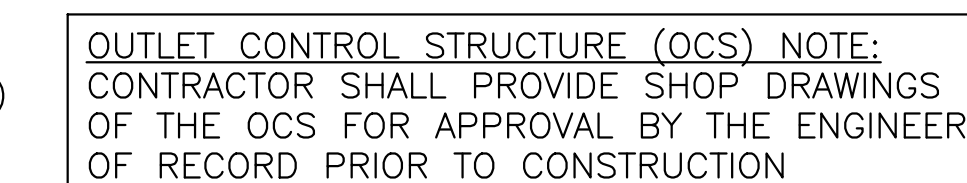
SCALE: N.T.S



PERMEABLE GEOGID PAVER DETAIL
SCALE: N.T.S



WEIR DETAIL
SCALE: N.T.S

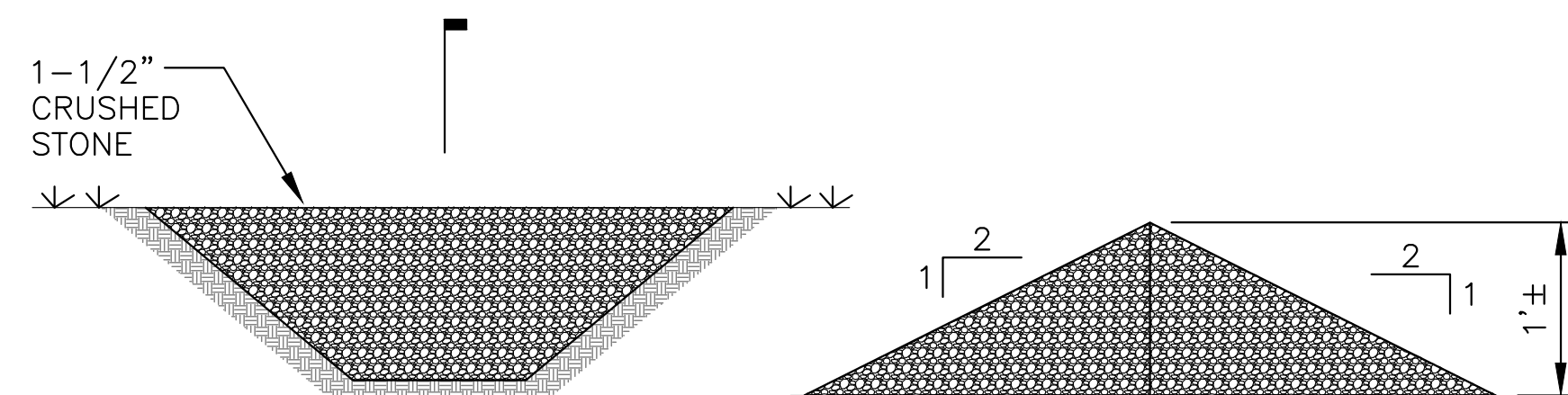


NOTES:

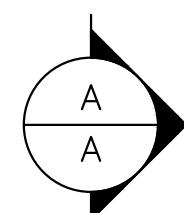
- [1] 4,000 PSI PRECAST CONCRETE AFTER 28 DAYS CONFORMING WITH LATEST ASTM C478
[2] ALL JOINTS BETWEEN SECTIONS, GRADE RINGS AND CASTINGS SHALL BE SEALED WATERTIGHT.
[3] ALL LIFT HOLES SHALL BE GROUTED ON THE INSIDE AND OUTSIDE WITH NON-SHRINK GROUT.

UNDISTURBED NATURAL SOIL OR SUBGRADE COMPACTED TO 95% MAXIMUM DRY DENSITY
(MODIFIED PROCTOR) PER ASTM D1557

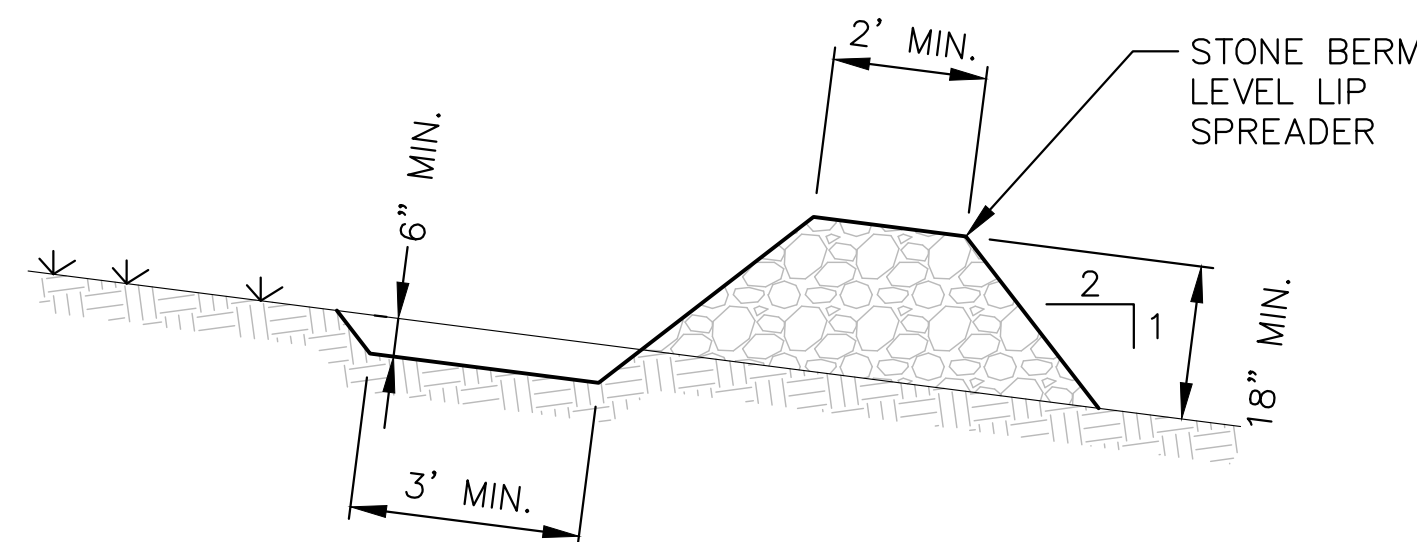
CONTROL STRUCTURE



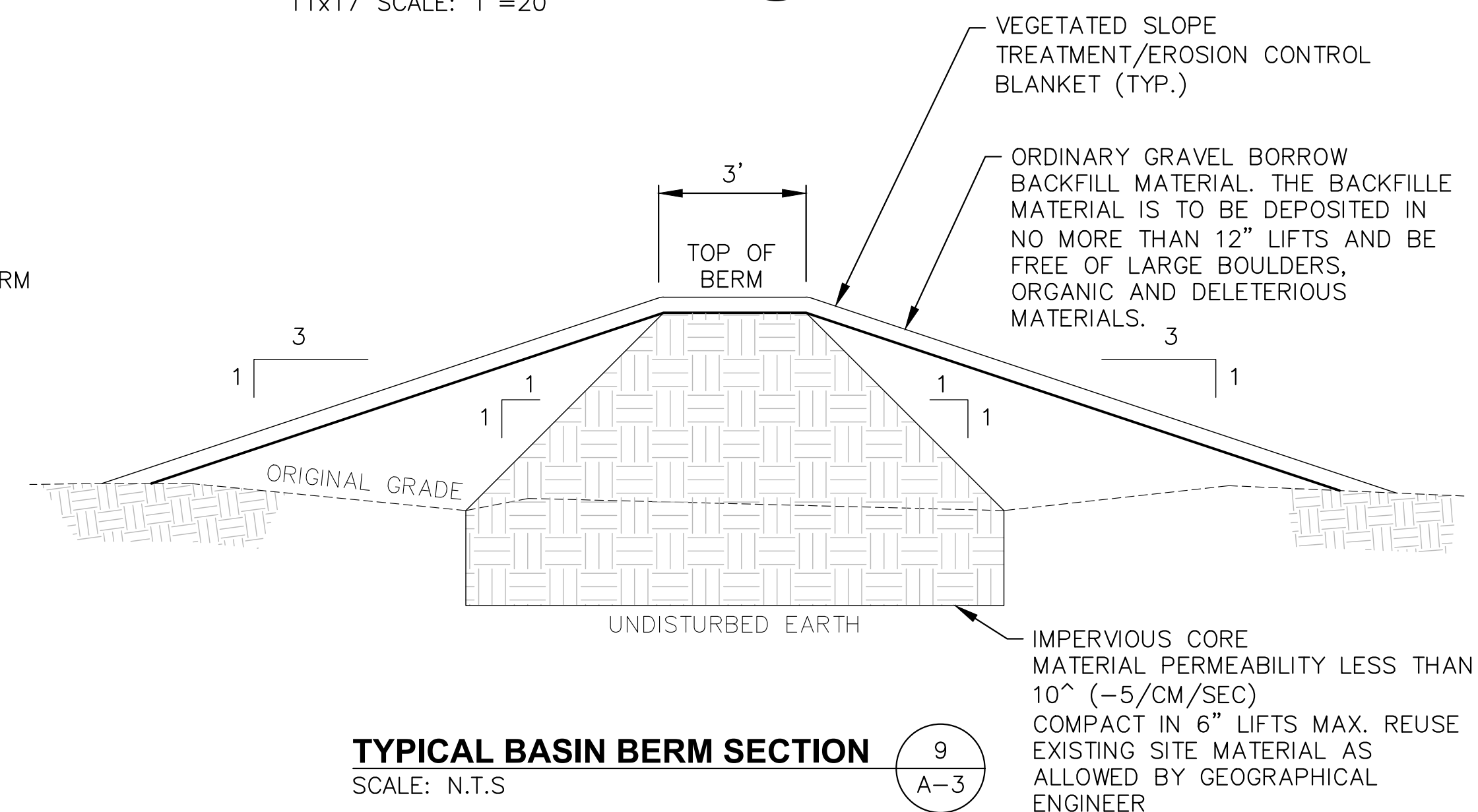
SECTION A-A



CHECK DAM DETAIL
SCALE: N.T.S



STONE BERM SECTION
SCALE: N.T.S



TYPICAL BASIN BERM SECTION
SCALE: N.T.S.

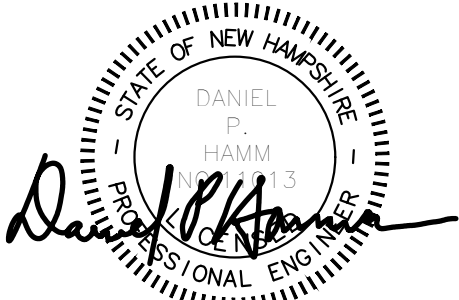
FOR ZONING



Navigator Properties, LLC
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KENNEBUNKPORT, ME 04046



45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553



CHECKED BY: _____ AT _____

APPROVED BY: DPH

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STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE

DRAINAGE DETAILS

(NSD-RL)

SHEET NUMBER

A-3

CONSTRUCTION SEQUENCE

- ## IMPACT OF STORMWATER DURING CONSTRUCTION ACTIVITY

IN THE EVENT THAT STORMWATER WITH SEDIMENT IS FLOWING ONTO SURROUNDING PAVEMENT, FOLLOWING MUST BE PERFORMED:

- CONSTRUCTION SPECIFICATION – SILT FENCE:

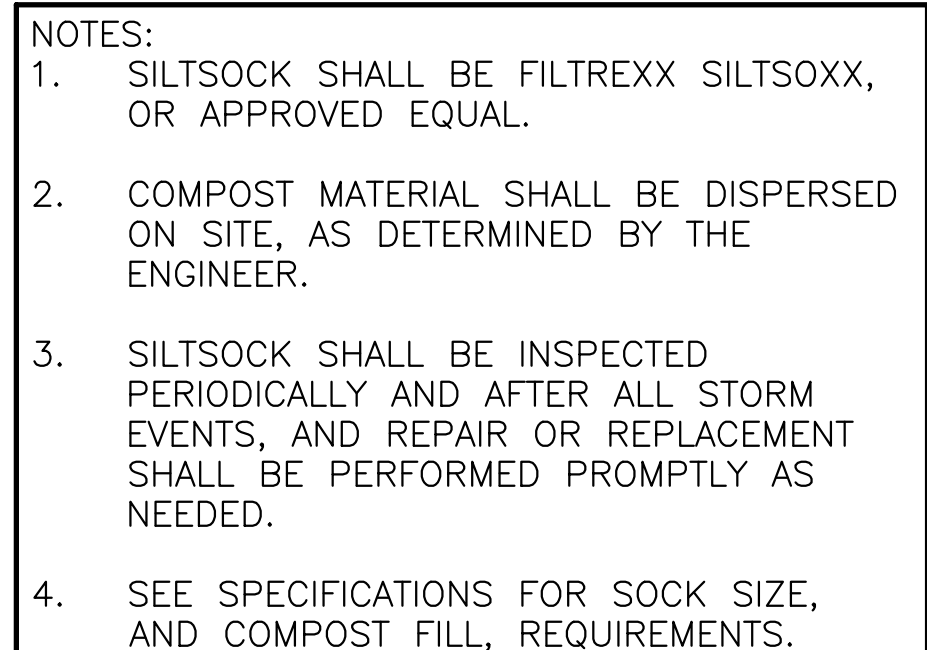
- MAINTENANCE – SILT FENCE

- EROSION CONTROL MEASURES:

- | | |
|---------------------------|------------------|
| (SLOPES GREATER THAN 4:1) | <u>LBS./ACRE</u> |
| CREEPING RED FESCUE | 20 |
| TALL FESCUE | 20 |
| BIRDSFOOT TREEFOIL | 8 |
| | <u>48</u> |

- ## HAY BALES/ SILT FENCE DETAIL

SCALE: N.T.S



SCALE: N.T.S



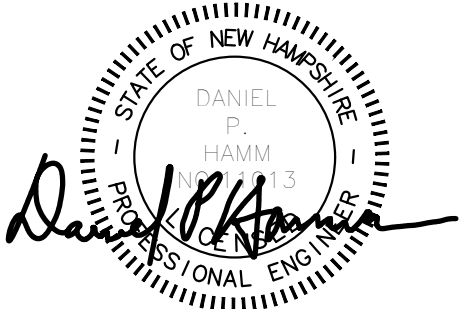
**MARINER
TOWER**

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TEP
NORTHEAST
TEP ORCO, LLC

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STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE

EROSION CONTROL NOTES & DETAILS

(NSD-RL)

SHEET NUMBER

A-5

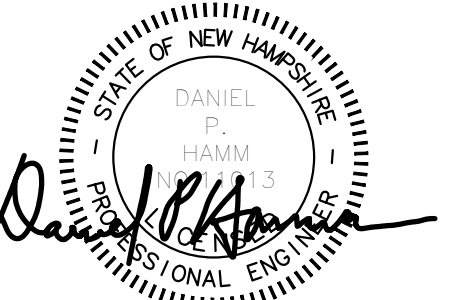
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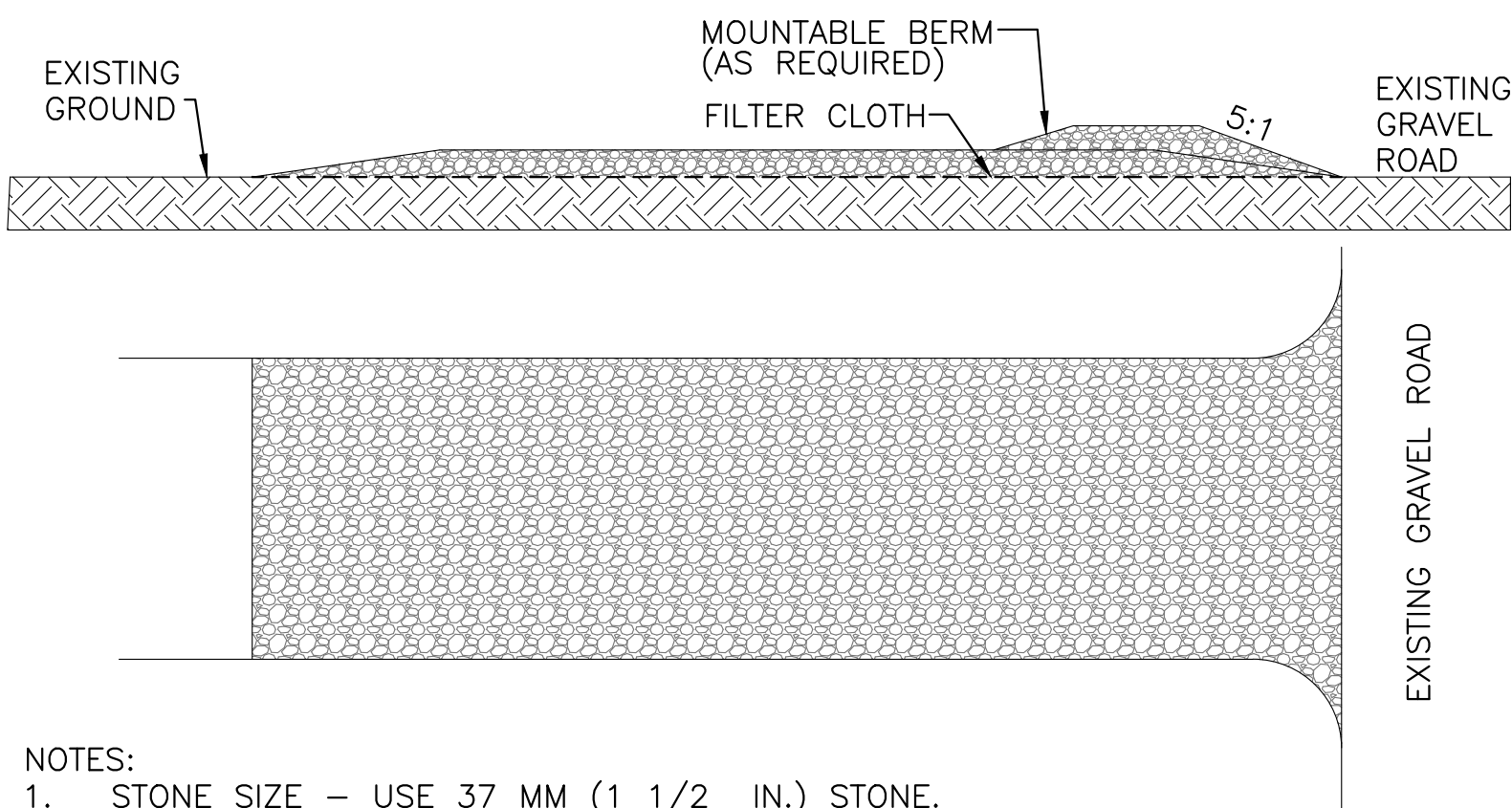
SITE NAME:
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STRAFFORD, NH 03884
STRAFFORD COUNTY

SHEET TITLE
EROSION CONTROL
DETAILS
(NSD-RL)

SHEET NUMBER

A-6



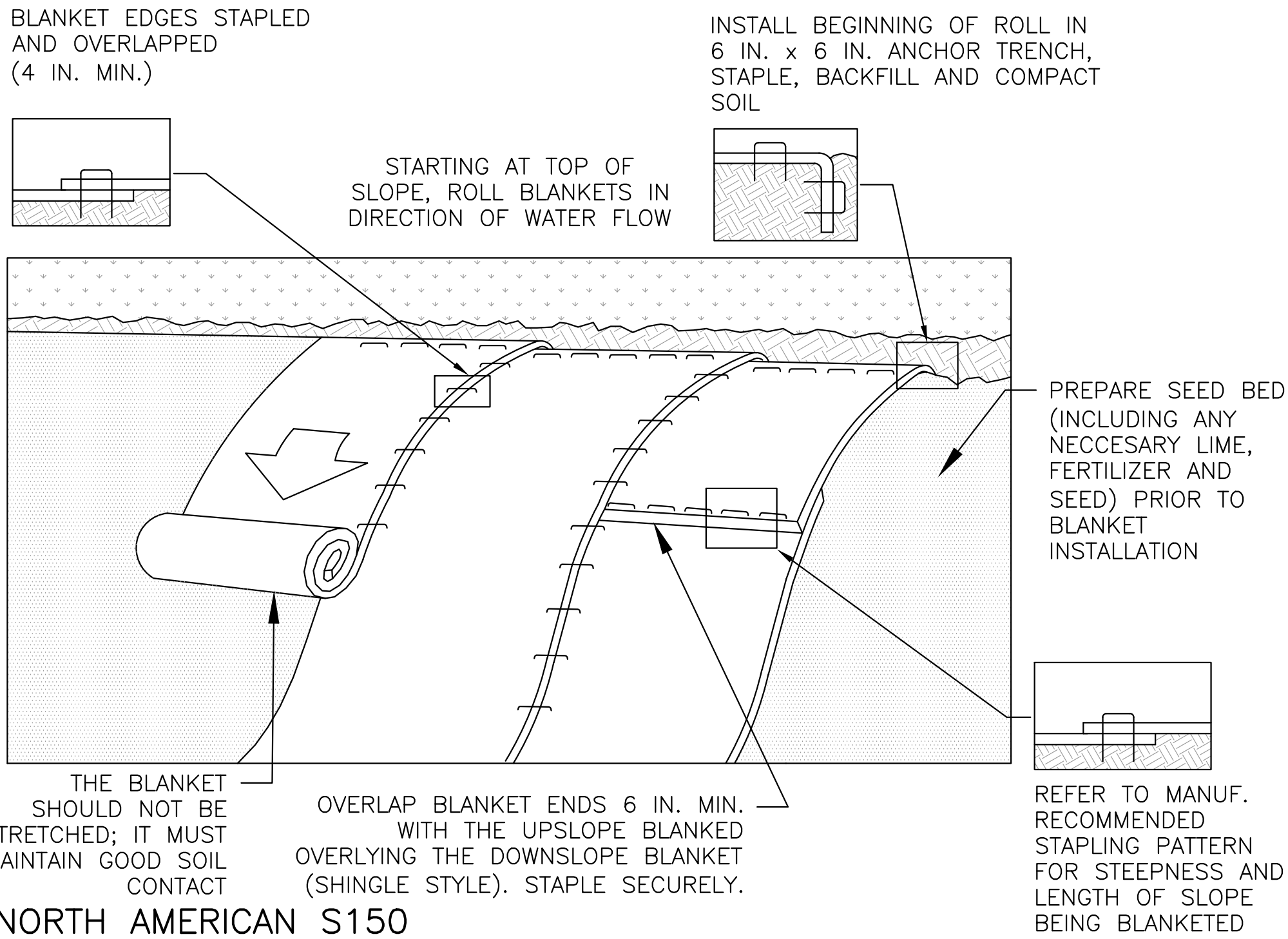
NOTES:

- STONE SIZE – USE 37 MM (1 1/2 IN.) STONE.
- LENGTH – NOT LESS THAN 15M (50 FT.)
- THICKNESS – NOT LESS THAN 150MM (6 IN.).
- WIDTH – 3.5 METER (TWELVE (12) FT.) MINIMUM,
- FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

SCALE: N.T.S

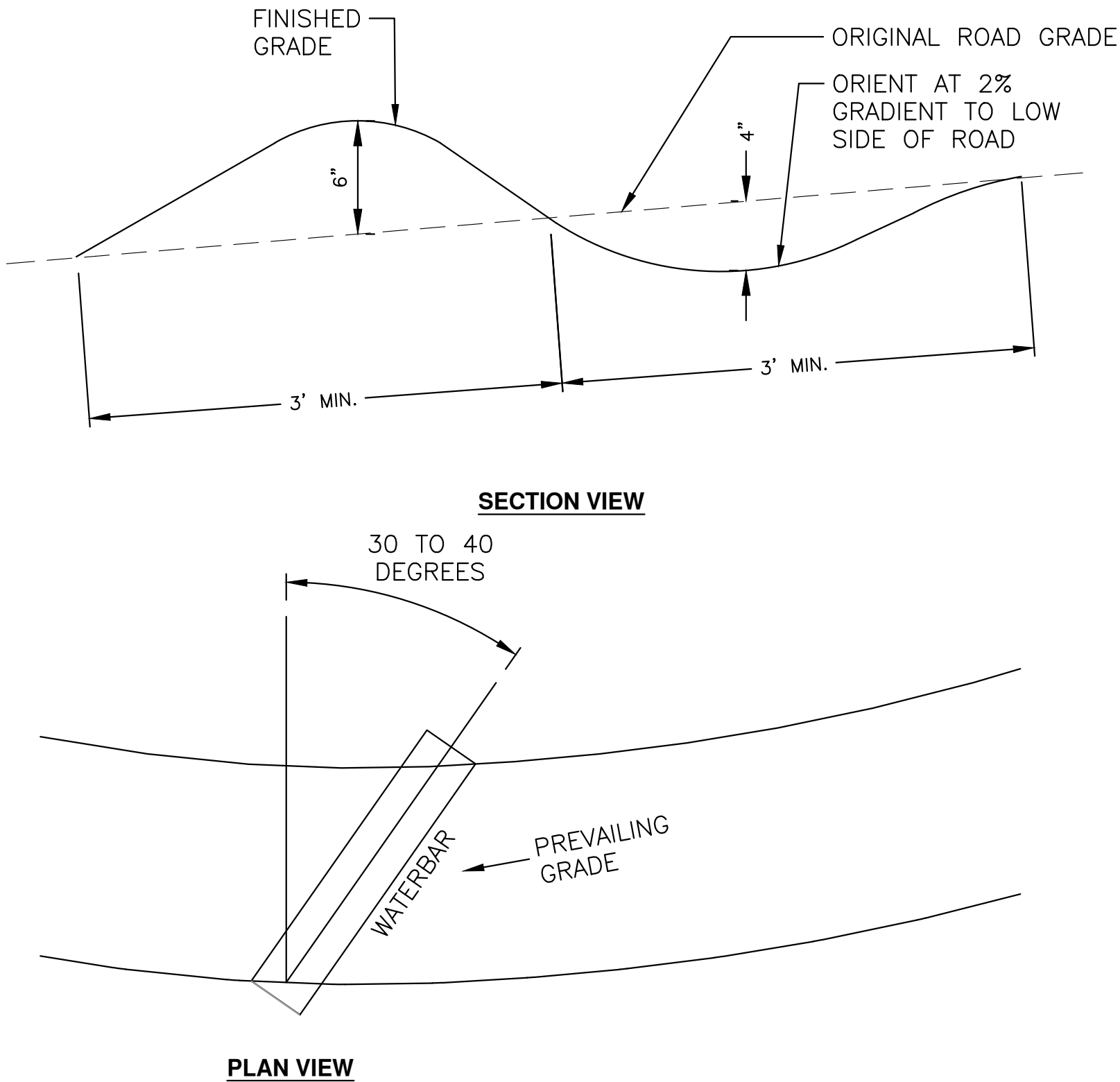
1
A-6



EROSION CONTROL BLANKET

SCALE: N.T.S

2
A-6



RUN-OFF DIVERSION BERM DETAIL

SCALE: N.T.S

3
A-6